

**90900140**

**Goo-Gone**

# SAFETY DATA SHEET

Confirms to OSHA Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012

**GOO  
GONE.**

**Product:** Pro Power- 2036, 2037, 2044, 2068, 2098

**Revision Date:** 21-Aug-2014

## SECTION 1 – IDENTIFICATION

### Product Identifier

**Product Name:** Pro Power

**Product Code:** 2036, 2037, 2044, 2068, 2098

### Recommended Use of the Chemical and Restrictions for Use

**Recommended Use:** Cleaner

**Restrictions for Use:** Use only as directed.

### Details of the Supplier

**Manufacturer:** Goo Gone  
755 Tri-State Parkway  
Gurnee, IL 60031  
855-364-8135

### Emergency Phone Number

**24-Hour Number:** 1-800-535-5053

**International:** 1-352-323-3500

## SECTION 2 – HAZARDS IDENTIFICATION

### Classification

Hazard Class	Category
Flammable liquid	4
Skin sensitization	1
Aspiration toxicity	1

### Label Elements

**Hazard Symbols(s):**



**Signal Word(s):** Danger

**Hazard Statement(s):** Combustible liquid. May cause an allergic skin reaction. May be fatal if swallowed and enters airways.

**Precautionary Statement(s):** Keep away from flames and hot surfaces. –No smoking. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/eye protection/face protection. If swallowed: immediately call a poison center/doctor. Do NOT induce vomiting. If on skin: Wash with plenty of water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents and container in accordance with all local, regional, national and international regulations.

### Other Hazards

None

## SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Wt %
Petroleum distillates, hydrotreated light	64742-47-8	60-100
D-Limonene	5989-27-5	1-5
Orange, sweet, extract	8028-48-6	0.5-1.5

The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

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## SECTION 4 – FIRST AID MEASURES

### First Aid Measures

**Inhalation:** If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

**Eye Contact:** May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

**Ingestion:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention.

**Skin:** In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.

### Most Important Symptoms and Effects (Acute and Delayed)

**Inhalation:** May cause respiratory tract irritation.

**Eye Contact:** May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

**Ingestion:** May be fatal if swallowed and enters airways. This product may be aspirated into the lungs and cause chemical pneumonitis. May cause stomach distress, nausea or vomiting.

**Skin:** May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause sensitization by skin contact.

### Indication of any Immediate Medical Attention and Special Treatment Needed

**Note to Physician:** Treat symptomatically.

## SECTION 5 – FIRE FIGHTING MEASURES

### Extinguishing Media

**Suitable:** Treat for surrounding material.

**Unsuitable:** None known.

### Specific Hazards Arising from Chemical

Products of combustion include but are not limited to: oxides of carbon.

### Protective Equipment and Precautions for Firefighters

Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

**Personal Precautions:** Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition.

**Environmental Precautions:** See Section 12 for ecological information.

### Methods and Material for Containment and Cleaning Up

Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE). Scoop up material and place in a disposal container. Provide ventilation.

## SECTION 7 – HANDLING AND STORAGE

### Precautions for Safe Handling

**Handling:** Keep away from sources of ignition- No smoking. Avoid contact with skin and eyes. Avoid breathing vapor or mist. Do not swallow. Handle and open container with care. When using do not eat, drink, or smoke.

**General Hygiene Advice:** Launder contaminated clothing before use. Wash hands before eating, drinking, or smoking.

### Conditions for Safe Storage, Including any Incompatibilities



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**Storage Conditions:** Keep locked up and out of reach of children. Keep container tightly closed and in a well-ventilated place. Keep cool.

**Incompatible Materials:** Oxidizers.

## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

#### **Exposure Guidelines:**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Petroleum distillates, hydrotreated light (64742-47-8)	Not available	Not available	Not available
D-Limonene (5989-27-5)	Not available	Not available	Not available
Orange, sweet, extract (8028-48-6)	Not available	Not available	Not available

### Appropriate Engineering Controls

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

### Individual Protection Measures

**Respiratory Protection:** None under normal conditions of use. In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Skin and Body Protection:** Wear suitable protective clothing.

**Eye/Face Protection:** Safety glasses or goggles are recommended when using product.

**General Work/Hygienic Practices:** Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle in accordance with good industrial hygiene and safety practice.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Yellow liquid

**Odor:** Citrus

**Odor threshold:** Not determined

**pH:** Not determined

**Melting point/freezing point:** Not determined

**Initial boiling point and boiling range:** Not determined

**Flash point:** 85.6°C (186°F) TCC

**Evaporation rate:** Not determined

**Flammability (solid, gas):** Flammable

**Upper/lower flammability or explosive limits:** Not determined

**Vapor pressure:** Not determined

**Vapor density:** Not determined

**Relative density:** 0.80

**Solubility(ies):** Not determined

**Partition coefficient (n-octanol/water):** Not determined

**Auto-ignition temperature:** Not determined

**Decomposition temperature:** Not determined

**Viscosity:** Not determined

## SECTION 10 – STABILITY AND REACTIVITY

**Reactivity:** Not reactive under normal conditions.

**Chemical stability:** Stable under recommended storage conditions.



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**Product:** Pro Power- 2036, 2037, 2044, 2068, 2098

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**Possibility of hazardous reactions:** None under normal use.

**Conditions to avoid:** Heat. Incompatible materials. Sources of ignition.

**Incompatible materials:** Oxidizers

**Hazardous decomposition products:** May include and are not limited to: oxides of carbon.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Information on Toxicological Effects

**Likely Routes of Exposure:** Inhalation, skin contact, eye contact, ingestion

### Information Related to Physical, Chemical, and Toxicological Effects

See section 4 of this SDS.

### Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

**Carcinogenicity:** NTP: No IARC: No OSHA: No

### Numerical Measures of Toxicity

Product	
ATE (oral)	>2000 mg/kg, rat
ATE (dermal)	>2000 mg/kg, rabbit
ATE (inhalation)	Not available

### Component Information:

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Petroleum distillates, hydrotreated light (64742-47-8)	>5000 mg/kg (rat)	>2000 mg/kg (rabbit)	>5.2 mg/l/4h
D-Limonene (5989-27-5)	4400 mg/kg (rat)	>5 g/kg (rabbit)	Not available
Orange, sweet, extract (8028-48-6)	>5000 mg/kg (rat)	>5000 mg/kg (rabbit)	Not available

## SECTION 12 - ECOLOGICAL INFORMATION

**Ecotoxicity:** Not established

**Persistence and degradability:** Not established

**Bioaccumulative potential:** Not established

**Mobility in soil:** No additional information available

**Other adverse effects:** No additional information available.

## SECTION 13 – DISPOSAL CONSIDERATIONS

See section 8 of this SDS for exposure controls and personal protection.

Dispose of the product and container in accordance with all applicable local, state, and federal regulations.

## SECTION 14 – TRANSPORT INFORMATION

**Note:** Classification changes based on quantity, packaging, and method of shipment. See current shipping paper for most up to date shipping information.

**DOT (Ground):** Not regulated- See 49 CFR 173.150(f) (2) as the product is not bulk packaged.

**IATA (Air):** Not regulated

**IMDG (Vessel):** Not regulated

## SECTION 15 – REGULATORY INFORMATION

All ingredients in this product are listed or are excluded from listing on the US Toxic Substances Act (TSCA) Chemical Substance Inventory.

## SECTION 16 – OTHER INFORMATION

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designed and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**

**90900530**

**Carpet Shampoo**

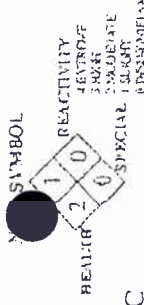


# MATERIAL SAFETY DATA SHEET

ECONOMICAL JANITORIAL & PAPER SUPPLIES, INC.  
1420-F SAMS AVE. HARAHAN, LA 70123 (504) 464-7166

Date: MAY 28, 2013

EMERGENCY  
PHONE NUMBER  
(800) - 535-5053 INFOTRAC



SECTION: I - TRADE NAME : VAPOR CLEAN  
IDENTIFICATION CHEMICAL FAMILY : CLEANING COMPOUND  
PRODUCT NUMBER : 5944  
SHIPPING DESCRIPTION: CLEANING COMPOUND, NOS

SECTION: II - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	OSHA PEL	ACGIH TLV	CAS #
2-BUTOXYETHANOL	25PPM		111-76-2
SODIUM METASILICATE	N/E	N/E	6834-92-0
SODIUM HYDROXIDE	N/E	N/E	1310-73-2
TRISODIUM NITRILATOTRIACETATE MONOHYDRATE	N/A		5064-31-3

## SECTION 313 - SUPPLIER NOTIFICATION:

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OSHA 29 CFR 1910.1200.  
\*\*\*CAS #\*\*\*

111-76-2 2-BUTOXYETHANOL 5-10 %  
1310-73-2 SODIUM HYDROXIDE 5 TO 10 %  
THIS INFORMATION MUST BE INCLUDED IN ALL MSDS THAT ARE COPIED AND DISTRIBUTED FOR THIS MATERIAL.

## SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS:

BOILING POINT = >212 DEGREES F  
SPECIFIC GRAVITY (H2O=1) = 1.03  
SOLUBILITY IN WATER = COMPLETE  
APPEARANCE = CLEAR LIQUID  
ODOR = MILD  
VAPOR PRESSURE (mmHg) = N/A  
VAPOR DENSITY (AIR=1) = N/A  
EVAPORATION RATE (Butyl Acet=1) = N/A  
POUNDS PER GALLON = 8.618

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT = NONE  
EXTINGUISHING MEDIA = AS REQUIRED BY SURROUNDING FIRE.  
SPECIAL FIRE FIGHTING = WEAR SELF-CONTAINED FULL-FACE  
PROCEDURES = BREATHING APPARATUS  
UNUSUAL HAZARDS = NONE KNOWN

## SECTION V - REACTIVITY DATA:

STABILITY = STABLE  
CONDITIONS TO AVOID = EXTREME TEMPERATURES  
POLYMERIZATION = WILL NOT OCCUR  
CONDITIONS TO AVOID = NONE  
INCOMPATIBLE MATERIALS = STRONG ACIDS AND OXIDIZERS  
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS = CO2, CO, H2O

## SECTION VI - HEALTH HAZARDS DATA:

THRESHOLD LIMIT VALUE = NOT ESTABLISHED  
CARCINOGENICITY =

NTP = NO  
IARC MONOGRAPHS = NO  
OSHA REGULATED = NO

HEALTH HAZARDS: ACUTE/CHRONIC = EYES: MODERATE TO SEVERE IRRITATION AND POSSIBLE TISSUE DAMAGE DEPENDING ON EXPOSURE. NAUSEA, VOMITING AND DIARRHEA MAY OCCUR UPON INGESTION. PROLONGED SKIN CONTACT MAY CAUSE MODERATE IRRITATION, DEFATTING AND DERMATITIS. EMERGENCY FIRST AID PROCEDURES =

INHALATION = MOVE TO FRESH AIR. CONSULT PHYSICIAN IF SYMPTOMS PERSIST.  
INGESTION = GIVE LARGE QUANTITIES OF WATER. THEN SEVERAL GLASSES OF MILK. INDUCE VOMITING. GET MEDICAL ATTENTION IMMEDIATELY.  
EYE CONTACT = FLUSH EYES IMMEDIATELY WITH LARGE QUANTITIES OF WATER FOR 15 MINUTES. LIFTING EYELIDS OCCASIONALLY. GET MEDICAL ATTENTION.  
SKIN CONTACT = REMOVE CONTAMINATED CLOTHING. RINSE SKIN THOROUGHLY WITH SOAP AND WATER.

## SECTION VII - PRECAUTIONS FOR SAFE HANDLING:

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:  
LARGE SPILLS: CONTAIN SPILL AND PUMP TO RECOVER  
SMALL SPILLS: SPILL CAN BE MOPPED UP, THEN FLUSH CONTAMINATED AREA WITH PLENTY OF WATER.  
WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.  
PRECAUTIONS TO TAKE IN HANDLING & STORAGE: STORE IN COOL, DRY PLACE. KEEP CONTAINER CLOSED WHEN NOT IN USE.  
OTHER PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN.

## SECTION VIII - CONTROL MEASURES:

RESPIRATORY PROTECTION = NONE REQUIRED WITH ADEQUATE VENTILATION  
VENTILATION = USE ADEQUATE CROSS VENTILATION  
PROTECTIVE GLOVES = RECOMMENDED  
EYE PROTECTION = RECOMMENDED  
OTHER PROTECTIVE MEASURES = WASH HANDS THOROUGHLY AFTER USE.

## MANUFACTURER:

TRANS GULF INDUSTRIES, INC.  
6101 HUMPHREYS STREET  
PO BOX 23809  
HARAHAN, LA 70183  
EMERGENCY PHONE #  
DAY M-F (504) - 733-7865  
NIGHT (800) - 535-5053

This information is drawn from recognized sources believed to be reliable. TRANS GULF INDUSTRIES, INC. makes no guarantee or assumes any liability in connection with this information. The user should be aware of changing technology, research, regulatory and analytical procedures that may require changes herein. The above data is supplied upon the condition that customers will evaluate this information and then determine its suitability for their use. Only USA Regulations apply to the above.

# Material Safety Data Sheet



Superior Solutions

Zep, Inc.  
1310 Seaboard Industrial Blvd.  
Atlanta, GA 30318  
1-877-1-BUY-ZEP (428-9937)  
www.zep.com

## Section 1. Chemical Product and Company Identification

**Product name** ZEP ASSIST  
**Product use** Aerosol Carpet & Upholstery Cleaner  
**Product code** 0323  
**Date of issue** 12/20/10 **Supersedes** 12/03/04

## Emergency Telephone Numbers

**For MSDS Information:**  
Compliance Services 1-877-1-BUY-ZEP (428-9937)

**For Medical Emergency**  
(877) 541-2016 Toll Free - All Calls Recorded

**For Transportation Emergency**  
CHEMTREC: (800) 424-9300 - All Calls Recorded  
In the District of Columbia (202) 483-7616

**Prepared By**  
Compliance Services  
1420 Seaboard Industrial Blvd.  
Atlanta, GA 30318

CALCASIEU PARISH SCHOOL BOARD  
3310 BROAD STREET  
JANITORIAL WAREHOUSE  
LAKE CHARLES LA 70615

Printing date: 05/11/12

## Section 2. Hazards Identification

### Emergency overview

**CAUTION !**

CAUSES EYE IRRITATION. MAY CAUSE SKIN IRRITATION.

**NOTE:** MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.

\*Hazard Determination System (HDS): Health, Flammability, Reactivity

1 0 0

### Acute Effects

#### Routes of Entry

Dermal contact. Inhalation.

**Eyes** Causes eye irritation. Inflammation of the eye is characterized by redness, watering and itching.

**Skin** May cause skin irritation. Skin inflammation is characterized by itching, scaling, or reddening.

**Inhalation** Avoid inhalation of vapor, spray or mist. Over-exposure by inhalation may cause respiratory irritation.

**Ingestion** May be harmful if swallowed.

**Chronic effects** No known chronic effects from exposure.

### Carcinogenicity

Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

### Product/ingredient name

Not available.

**Additional Information: See Toxicological Information (Section 11)**

## Section 3. Composition/Information on Ingredients

Name of Hazardous Ingredients	CAS number	% by Weight
SODIUM LAURYL SULFATE; (sulfuric acid, monododecyl ester, sodium salt); sodium monododecyl sulfate	151-21-3	1 - 10
HYDROCARBON PROPELLANT; blend of propane & n-butane	74-98-6; 106-97-8	1 - 5

## Section 4. First Aid Measures

**Eye Contact** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention immediately.

**Skin Contact** Flush affected skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation develops.

**Inhalation** Move exposed person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Ingestion** Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Get medical attention immediately.



**Section 12. Ecological Information**

Environmental Effects Not available.

**Aquatic Ecotoxicity**

Not available.

**Section 13. Disposal Considerations****Waste Information**

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

Waste Stream Code: - (None.)

Classification: - (Non-hazardous waste)

**Section 14. Transport Information**

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label
DOT Classification	Not regulated.	Consumer commodity	ORM-ID		
IMDG Class	Not determined.				

NOTE: DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

PG\* : Packing group

**Section 15. Regulatory Information****U.S. Federal Regulations**

SARA 313 toxic chemical notification and release reporting:

**Product name**

No products were found.

**Clean Water Act (CWA) 307:** No products were found.**Clean Water Act (CWA) 311:** No products were found.**Clean Air Act (CAA) 112 regulated toxic substances:** No products were found.

All Components of this product are listed or exempt from listing on TSCA Inventory.

**United States inventory (TSCA 8b):** Not determined.**State Regulations****California Prop 65** No products were found.**Section 16. Other Information**

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.  
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution.  
Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*

\*NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.



**90900550**

# **Carpet Spot Remover**

# SAFETY DATA SHEET



Spot Bet

## Section 1. Identification

GHS product identifier : Spot Bet  
Other means of identification : Not available.  
Product type : Liquid.

### Relevant identified uses of the substance or mixture and uses advised against

Not applicable.

Supplier's details : Betco Corporation  
1001 Brown Avenue  
Toledo, OH 43607  
www.betco.com  
888-462-3826

Emergency telephone number (with hours of operation) : Chemtrec 800-424-9300 (24 Hour)

## Section 2. Hazards identification

OSHA/HCS status : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture : Not classified.

### GHS label elements

Signal word : No signal word.  
Hazard statements : No known significant effects or critical hazards.

### Precautionary statements

Prevention : Not applicable.  
Response : Not applicable.  
Storage : Not applicable.  
Disposal : Not applicable.  
Hazards not otherwise classified : None known.

## Section 3. Composition/information on ingredients

Substance/mixture : Mixture  
Other means of identification : Not available.

### AS number/other identifiers

CAS number : Not applicable.  
Product code : 425

Ingredient name	%	CAS number
3-butoxypropan-2-ol	≥1 - <3	5131-66-8

## Section 3. Composition/information on ingredients

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### Description of necessary first aid measures

- |                     |   |
|---------------------|---|
| <b>Eye contact</b>  | : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.   |
| <b>Inhalation</b>   | : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.   |
| <b>Skin contact</b> | : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.  |
| <b>Ingestion</b>    | : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

- |                     |   |
|---------------------|---|
| <b>Eye contact</b>  | : No known significant effects or critical hazards. |
| <b>Inhalation</b>   | : No known significant effects or critical hazards. |
| <b>Skin contact</b> | : No known significant effects or critical hazards. |
| <b>Ingestion</b>    | : No known significant effects or critical hazards. |

#### Over-exposure signs/symptoms

- |                     |                     |
|---------------------|---------------------|
| <b>Eye contact</b>  | : No specific data. |
| <b>Inhalation</b>   | : No specific data. |
| <b>Skin contact</b> | : No specific data. |
| <b>Ingestion</b>    | : No specific data. |

### Indication of immediate medical attention and special treatment needed, if necessary

- |                                   |   |
|-----------------------------------|---|
| <b>Notes to physician</b>         | : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| <b>Specific treatments</b>        | : No specific treatment.  |
| <b>Protection of first-aiders</b> | : No action shall be taken involving any personal risk or without suitable training.  |

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

- |   |   |
|---|---|
| <b>Suitable extinguishing media</b>               | : Use an extinguishing agent suitable for the surrounding fire.   |
| <b>Unsuitable extinguishing media</b>             | : None known.   |
| <b>Specific hazards arising from the chemical</b> | : In a fire or if heated, a pressure increase will occur and the container may burst.                               |
| <b>Hazardous thermal decomposition products</b>   | : Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>acrylonitrile |



## Section 5. Fire-fighting measures

- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
- For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8).
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

None.

- |   |  |
|---|--|
| <b>Appropriate engineering controls</b> | : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.   |
| <b>Environmental exposure controls</b>  | : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. |

### Individual protection measures

- |                         |   |
|-------------------------|---|
| <b>Hygiene measures</b> | : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. |
|-------------------------|---|

- |                            |   |
|----------------------------|---|
| <b>Eye/face protection</b> | : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields. Recommended: safety glasses |
|----------------------------|---|

### Skin protection

- |                               |   |
|-------------------------------|---|
| <b>Hand protection</b>        | : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. > 8 hours (breakthrough time): butyl rubber   |
| <b>Body protection</b>        | : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.   |
| <b>Other skin protection</b>  | : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.   |
| <b>Respiratory protection</b> | : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. |

**Personal protective equipment (Pictograms)**



## Section 9. Physical and chemical properties

### Appearance

- |                         |                               |
|-------------------------|-------------------------------|
| <b>Physical state</b>   | : Liquid.                     |
| <b>Color</b>            | : Clear.                      |
| <b>Odor</b>             | : Pleasant.                   |
| <b>Odor threshold</b>   | : Not available.              |
| <b>pH</b>               | : 8 to 9                      |
| <b>Melting point</b>    | : Not available.              |
| <b>Boiling point</b>    | : Not available.              |
| <b>Flash point</b>      | : Closed cup: >100°C (>212°F) |
| <b>Evaporation rate</b> | : Not available.              |

## Section 9. Physical and chemical properties

Lower and upper explosive (flammable) limits	: Not available.
Vapor pressure	: Not available.
Vapor density	: Not available.
Relative density	: 1.00432
Solubility	: Easily soluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	: Not available.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Viscosity	: Not available.

## Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: No specific data.
Incompatible materials	: No specific data.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
3-butoxypropan-2-ol	LD50 Dermal	Rabbit	3100 mg/kg	-

#### Irritation/Corrosion

Not available.

#### Sensitization

Not available.

#### Mutagenicity

Not available.

#### Carcinogenicity

Not available.

#### Reproductive toxicity

Not available.

#### Teratogenicity

Not available.

#### Specific target organ toxicity (single exposure)

Not available.



## Section 11. Toxicological information

Not available.

### Aspiration hazard

Not available.

**Information on the likely routes of exposure** : Routes of entry anticipated: Oral, Dermal, Inhalation.

### Potential acute health effects

**Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : No specific data.  
**Inhalation** : No specific data.  
**Skin contact** : No specific data.  
**Ingestion** : No specific data.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

### Potential chronic health effects

Not available.

**General** : No known significant effects or critical hazards.  
**Carcinogenicity** : No known significant effects or critical hazards.  
**Mutagenicity** : No known significant effects or critical hazards.  
**Teratogenicity** : No known significant effects or critical hazards.  
**Developmental effects** : No known significant effects or critical hazards.  
**Fertility effects** : No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Route	ATE value
Dermal	221983.5 mg/kg

Spot Bet

## Section 12. Ecological information

### Toxicity

Not available.

### Persistence and degradability

Not available.

### Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
3-butoxypropan-2-ol	1.2	-	low

### Mobility in soil

Soil/water partition coefficient (K<sub>oc</sub>) : Not available.

Other adverse effects : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	ADR/RID	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-	-	-
Transport hazard class(es)	-	-	-	-	-	-
Packing group	-	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.	No.
Additional information	-	-	-	-	-	-

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

## Section 14. Transport information

Transport in bulk according : Not available.

Annex II of MARPOL

73/78 and the IBC Code

## Section 15. Regulatory information

U.S. Federal regulations : TSCA 8(a) PAIR: (2-methoxymethylethoxy)propanol  
 TSCA 8(a) CDR Exempt/Partial exemption: Not determined  
 TSCA 12(b) one-time export: (2-methoxymethylethoxy)propanol  
 Not determined.  
 Clean Water Act (CWA) 311: Formaldehyde, solution

Clean Air Act Section 112 : Not listed

(b) Hazardous Air  
 Pollutants (HAPs)

Clean Air Act Section 602 : Not listed

Class I Substances

Clean Air Act Section 602 : Not listed

Class II Substances

DEA List I Chemicals : Not listed

(Precursor Chemicals)

DEA List II Chemicals : Not listed

(Essential Chemicals)

SARA 302/304

### Composition/information on ingredients

Name	%	EHS	SARA 302 TPQ		SARA 304 RQ	
			(lbs)	(gallons)	(lbs)	(gallons)
Formaldehyde, solution	<0.1	Yes.	500	73.9	100	14.8

SARA 304 RQ : 2666666.7 lbs / 1210666.7 kg [318448.6 gal / 1205459.1 L]

SARA 311/312

Classification : Not applicable.

### Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
3-butoxypropan-2-ol	≥1 - <3	Yes.	No.	No.	Yes.	No.

### State regulations

Massachusetts : The following components are listed: DIPROPYLENE GLYCOL METHYL ETHER

New York : None of the components are listed.

New Jersey : The following components are listed: DIPROPYLENE GLYCOL METHYL ETHER;  
 (2-METHOXYMETHYLETHOXY) PROPANOL

Pennsylvania : The following components are listed: PROPANOL, (2-METHOXYMETHYLETHOXY)-

California Prop. 65

**WARNING:** This product contains less than 0.1% of a chemical known to the State of California to cause cancer.

Ingredient name	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
Formaldehyde, solution	Yes	No	Yes	No



## Section 15. Regulatory information

### International regulations

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

#### Montreal Protocol (Annexes A, B, C, E)

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

#### Rotterdam Convention on Prior Inform Consent (PIC)

Not listed.

#### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

### International lists

#### National inventory

Australia	: Not determined.
Canada	: Not determined.
China	: All components are listed or exempted.
Europe	: Not determined.
Japan	: All components are listed or exempted.
Malaysia	: Not determined.
New Zealand	: All components are listed or exempted.
Philippines	: Not determined.
Republic of Korea	: Not determined.
Taiwan	: Not determined.

## Section 16. Other information

### Hazardous Material Information System (U.S.A.)

Health	*	1
Flammability		1
Physical hazards		0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

### National Fire Protection Association (U.S.A.)



Reprinted with permission from NFPA 704-2001, Identification of the Hazards of Materials for Emergency Response Copyright ©1997, National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete and official position of the National Fire Protection Association, on the referenced subject which is represented only by the standard in its entirety.

## Section 16. Other information

Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

### Procedure used to derive the classification

Classification	Justification
Not classified.	

### History

Date of printing : 4/1/2015.

Date of issue/Date of revision : 4/1/2015.

Date of previous issue : No previous validation.

Version : 1

Key to abbreviations : ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
UN = United Nations

References : Not available.

☑ Indicates information that has changed from previously issued version.

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.



# Safety Data Sheet

## Spartan Chemical Company, Inc.

Revision Date: 28-Jul-2015

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product Identifier

**Product Name:** SSE CARPET PRESpray & SPOTTER  
**Product Number:** 3033 , 3035  
**Recommended Use:** Carpet cleaner  
**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

#### 24 Hour Emergency Phone Numbers:

**Medical Emergency/Information:** 888-314-6171  
**Transportation/Spill/Leak:** CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

**GHS Classification**  
Not Classified

Not dangerous according to the Globally Harmonized System (GHS)

#### GHS Label Elements

**Signal Word:**

**No signal word**

**Symbols:**

**Hazard Statements:**

No hazard statements

**Precautionary Statements:**

**Prevention:**

Not Applicable

**Response:**

**-Specific Treatment:**

See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

**Storage:**

Not Applicable

**Disposal:**

Not Applicable

**Hazards Not Otherwise Classified:** Not Applicable

**Other Information:**

- May be harmful if swallowed.
- May cause eye irritation.
- May cause skin irritation.
- Inhalation of vapors or mist may cause respiratory irritation.
- Keep out of reach of children.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
water	7732-18-5	60-100
propylene glycol monomethyl ether	107-98-2	1-5
acrylate copolymer	63744-68-3	1-5



Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

#### 4. FIRST AID MEASURES

- Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
- Skin Contact:** Wash with soap and water. If skin irritation occurs: Get medical attention.
- Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell.
- Ingestion:** Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.
- Note to Physicians:** Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

- Suitable Extinguishing Media:** Product does not support combustion, Use extinguishing agent suitable for type of surrounding fire
- Specific Hazards Arising from the Chemical:** Dried product is capable of burning. Combustion products are toxic.
- Hazardous Combustion Products:** May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.
- Protective Equipment and Precautions for Firefighters:** Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

#### 6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
- Environmental Precautions:** Do not rinse spill onto the ground, into storm sewers or bodies of water.
- Methods for Clean-Up:** Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

#### 7. HANDLING AND STORAGE

- Advice on Safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.
- Storage Conditions:** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

##### Occupational Exposure Limits:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
propylene glycol monomethyl ether 107-98-2	STEL: 150 ppm TWA: 100 ppm	(vacated) TWA: 100 ppm (vacated) TWA: 360 mg/m <sup>3</sup> (vacated) STEL: 150 ppm (vacated) STEL: 540 mg/m <sup>3</sup>	TWA: 100 ppm TWA: 360 mg/m <sup>3</sup> STEL: 150 ppm STEL: 540 mg/m <sup>3</sup>

- Engineering Controls:** Provide good general ventilation.  
If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.
- Personal Protective Equipment**
- Eye/Face Protection:** Not required with expected use.
- Skin and Body Protection:** Not required with expected use.
- Respiratory Protection:** Not required with expected use.  
If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.

**General Hygiene Considerations:** Wash hands and any exposed skin thoroughly after handling.  
See 29 CFR 1910.132-138 for further guidance.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance/Physical State:</b>	Liquid
<b>Color:</b>	Light green
<b>Odor:</b>	Citrus fragrance
<b>pH:</b>	8.5-9.5
<b>Melting Point / Freezing Point:</b>	No information available.
<b>Boiling Point / Boiling Range:</b>	100 °C / 212 °F
<b>Flash Point:</b>	> 100 °C / > 212 °F ASTM D56
<b>Evaporation Rate:</b>	< 1 (Butyl acetate = 1)
<b>Flammability (solid, gas)</b>	No information available.
<b>Upper Flammability Limit:</b>	No information available.
<b>Lower Flammability Limit:</b>	No information available.
<b>Vapor Pressure:</b>	No information available.
<b>Vapor Density:</b>	No information available.
<b>Specific Gravity:</b>	1.01
<b>Solubility(ies):</b>	Soluble in water
<b>Partition Coefficient:</b>	No information available.
<b>Autoignition Temperature:</b>	No information available.
<b>Decomposition Temperature:</b>	No information available.
<b>Viscosity:</b>	No information available.

## 10. STABILITY AND REACTIVITY

**Reactivity:** This material is considered to be non-reactive under normal conditions of use.  
**Chemical Stability:** Stable under normal conditions.  
**Possibility of Hazardous Reactions:** Not expected to occur with normal handling and storage.  
**Conditions to Avoid:** Extremes of temperature and direct sunlight.  
**Incompatible Materials:** Strong oxidizing agents. Strong acids.  
**Hazardous Decomposition Products:** May include carbon monoxide, carbon dioxide (CO<sub>2</sub>) and other toxic gases or vapors.

## 11. TOXICOLOGICAL INFORMATION

**Likely Routes of Exposure:** Eyes, Skin, Ingestion, Inhalation.  
**Symptoms of Exposure:**  
**-Eye Contact:** Pain and redness.  
**-Skin Contact:** Drying of the skin.  
**-Inhalation:** Nasal discomfort and coughing.  
**-Ingestion:** Pain, nausea, vomiting and diarrhea.  
**Immediate, Delayed, Chronic Effects**  
**Product Information:** Data not available or insufficient for classification.  
**Target Organ Effects:** Central nervous system. -Eyes. Respiratory System. -Skin.  
**Numerical Measures of Toxicity**  
The following acute toxicity estimates (ATE) are calculated based on the GHS document.  
Data not available or insufficient for classification.

### Component Acute Toxicity Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
water 7732-18-5	> 90 mL/kg ( Rat )	Not Available	Not Available
propylene glycol monomethyl ether 107-98-2	= 5200 mg/kg ( Rat )	= 13000 mg/kg ( Rabbit )	= 54.6 mg/L ( Rat ) 4 h > 24 mg/L ( Rat ) 1 h

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
propylene glycol monomethyl ether 107-98-2	Not Available	20.8: 96 h Pimephales promelas g/L LC50 static 4600 - 10000: 96 h Leuciscus idus mg/L LC50 static	Not Available	23300: 48 h Daphnia magna mg/L EC50

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Other Adverse Effects:** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Disposal of Wastes:** Dispose of in accordance with federal, state and local regulations.

**Contaminated Packaging:** Dispose of in accordance with federal, state and local regulations.

## 14. TRANSPORT INFORMATION

**DOT:**

Not Regulated

**Proper Shipping Name:**

Non Hazardous Product

**Special Provisions:**

Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

**IMDG:**

Not Regulated

**Proper Shipping Name:**

Non Hazardous Product

## 15. REGULATORY INFORMATION

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**SARA 313**

This product does not contain listed substances above the "de minimus" level

**SARA 311/312 Hazard Categories**

Acute Health Hazard:	Yes
Chronic Health Hazard:	No
Fire Hazard:	No
Sudden release of pressure hazard:	No
Reactive Hazard:	No

**California Proposition 65**

This product is not subject to warning requirements under California Proposition 65.

## 16. OTHER INFORMATION

**NFPA**  
**HMIS**

Health Hazards: 1

Health Hazards: 1

Flammability: 0

Flammability: 0

Instability: 0

Physical Hazards: 0

Special: N/A

**Revision Date:** 28-Jul-2015

**Reasons for Revision:** Section 14 and 15



**Disclaimer:**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

# Safety Data Sheet



Superior Solutions

Zep, Inc.  
1310 Seaboard Industrial Blvd.  
Atlanta, GA 30318  
1-877-1-BUY-ZEP (428-9937)  
www.zep.com

## Section 1. Chemical Product and Company Identification

**Product name** ZEP RESCUE  
**Product use** Aerosol Carpet Spot Remover  
**Product code** 0007  
**Date of issue** 07/12/11 **Supersedes** 05/30/08

## Emergency Telephone Numbers

**For MSDS Information:**  
Compliance Services 1-877-1-BUY-ZEP (428-9937)

**For Medical Emergency**  
(877) 541-2016 Toll Free - All Calls Recorded

**For Transportation Emergency**  
CHEMTREC: (800) 424-9300 - All Calls Recorded  
In the District of Columbia (202) 483-7616

**Prepared By**  
Compliance Services  
1420 Seaboard Industrial Blvd.  
Atlanta, GA 30318

Printing date: 05/11/12

## Section 2. Hazards Identification

### Emergency overview

#### WARNING!

CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

HARMFUL IF INHALED OR ABSORBED THROUGH SKIN.

NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.

\*Hazard Determination System (HDS): Health, Flammability, Reactivity

2 1 0

### Acute Effects

#### Routes of Entry

Dermal contact. Inhalation.

- Eyes** Causes eye irritation. Inflammation of the eye is characterized by redness, watering and itching.
- Skin** Causes skin irritation. Harmful if absorbed through the skin. Skin inflammation is characterized by itching, scaling, or reddening.
- Inhalation** Avoid inhalation of vapor, spray or mist. Over-exposure by inhalation may cause respiratory irritation. Can cause central nervous system (CNS) depression.
- Ingestion** May be harmful if swallowed. Aspiration hazard if swallowed. Can enter lungs and cause damage.

### Chronic effects

Overexposure of this product by inhalation or absorption can produce central nervous system depression resulting in headache, nausea and/or dizziness. Contains material which may cause damage to the following organs: blood, kidneys, liver, upper respiratory tract, skin, eyes, central nervous system (CNS).

### Carcinogenicity

Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
ethylene glycol monobutyl ether	A3	3	-	-	-	-
Acetone	A4	-	-	-	-	-

Additional Information: See Toxicological Information (Section 11)

## Section 3. Composition/Information on Ingredients

Name of Hazardous Ingredients	CAS number	% by Weight
ETHYLENE GLYCOL MONOBUTYL ETHER; 2-butoxyethanol; butyl cellosolve	111-76-2	5 - 15
DIPROPYLENE GLYCOL N-BUTYL ETHER; 1-(2-butoxy-1-methoxy)- 2-propanol; Glycol Ether DPNB	29911-28-2	1 - 10
ACETONE; dimethyl ketone	67-64-1	1 - 10
HYDROCARBON PROPELLANT; blend of propane & n-butane	74-98-6; 106-97-8	1 - 10

**Section 9. Physical and Chemical Properties****Physical State** Liquid. [Aerosol.]**pH** 9.0 - 10.0**Boiling Point** 43.3°C (110 °F)**Specific Gravity** 0.9922**Solubility** Easily soluble in the following materials: cold water and hot water.**Color** Clear. Colorless.**Odor** Butyl**Vapor Pressure** Not determined.**Vapor Density** Not determined.**Evaporation Rate** 1 (Water = 1)**VOC (Consumer)** 15% (w/w%) or 248 g/l [ISO 11890-1]**Section 10. Stability and Reactivity****Stability and Reactivity** The product is stable.**Incompatibility** Keep away from heat, sparks and flame. Reactive or incompatible with the following materials: oxidizing materials and acids.**Hazardous Polymerization** Under normal conditions of storage and use, hazardous polymerization will not occur.**Hazardous Decomposition Products** carbon oxides (CO, CO<sub>2</sub>)**Section 11. Toxicological Information****Acute Toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
ethylene glycol monobutyl ether	LC50 Inhalation Gas.	Rat	450 ppm	4 hours
	LC50 Inhalation Vapor	Guinea pig	>633 ppm	1 hours
	LD50 Dermal	Guinea pig	>2000 mg/kg	-
	LD50 Dermal	Rabbit	220 mg/kg	-
	LD50 Oral	Guinea pig	1200 mg/kg	-
Acetone	LD50 Oral	Rat	250 mg/kg	-
	LC50 Inhalation Vapor	Rat	16000 ppm	4 hours
	LD50 Dermal	Rabbit	20000 mg/kg	-
	LD50 Oral	Mouse	9750 mg/kg	-
	LD50 Oral	Rat	5800 mg/kg	-

**Section 12. Ecological Information****Environmental Effects** Not available.**Aquatic Ecotoxicity**

Product/ingredient name	Test	Result	Species	Exposure
ethylene glycol monobutyl ether	-	Acute EC50 >1000 mg/L Fresh water	Daphnia - Water flea - Daphnia magna - <24 hours	48 hours
	-	Acute LC50 >1000 mg/L Marine water	Crustaceans - Amphipod - Chaetogammarus marinus - Young - 5 mm	48 hours
	-	Acute LC50 1490000 ug/L Fresh water	Fish - Bluegill - Lepomis macrochirus - 33 to 75 mm	96 hours
	-	Acute LC50 1250000 ug/L Marine water	Fish - Inland silverside - Menidia beryllina - 40 to 100 mm	96 hours
	-	Acute LC50 800000 ug/L Marine water	Crustaceans - Common shrimp, sand shrimp - Crangon crangon	48 hours
	-	Chronic NOEC 1000 mg/L Fresh water	Daphnia - Water flea - Daphnia magna - <24 hours	48 hours
	-	Acute LC50 6900 mg/L Fresh water	Daphnia - Water flea - Daphnia magna	48 hours
Acetone	-	Acute LC50 5.54 ml/L Fresh water	Fish - Rainbow trout, donaldson trout - Oncorhynchus mykiss - 1 g	96 hours
	-	Acute LC50 12600000 ug/L Fresh water	Daphnia - Water flea - Daphnia magna - <24 hours	48 hours
	-	Acute LC50 8300000 ug/L Fresh water	Fish - Bluegill - Lepomis macrochirus - 5.3 to 7.2 cm - 3.5 to 3.9 g	96 hours
	-	Acute LC50 7550000 ug/L Fresh water	Crustaceans - Aquatic sowbug - Asellus aquaticus	48 hours
	-	Acute LC50 >100000 ug/L Fresh water	Fish - Fathead mir - Pimephales promelas Juvenile (Fledgling)	~ ~



# Material Safety Data Sheet



Zep Inc.  
1310 Seaboard Industrial Blvd.  
Atlanta, GA 30318  
1-877-1-BUY-ZEP (428-9937)  
www.zep.com

## Section 1. Chemical Product and Company Identification

**Product name** BREAKAWAY (GreenLink)  
**Product use** Carpet Spotter, Deodorizer and Protectant  
**Product code** 0780  
**Date of issue** 08/06/08 **Supersedes** 08/22/03

CALCASIEU PARISH SCHOOL BOARD  
JANITORIAL WAREHOUSE  
3310 BROAD ST  
LAKE CHARLES LA 70615

Printing date: 08/05/09

## Emergency Telephone Numbers

**For MSDS Information:**  
Compliance Services 1-877-1-BUY-ZEP (428-9937)

**For Medical Emergency**  
INFOTRAC: (877) 541-2016 Toll Free - All Calls Recorded

**For Transportation Emergency**  
CHEMTREC: (800) 424-9300 - All Calls Recorded  
In the District of Columbia (202) 483-7616

## Prepared By

Compliance Services  
1420 Seaboard Industrial Blvd.  
Atlanta, GA 30318

## Section 2. Hazards Identification

### Emergency overview

**WARNING !**

**COMBUSTIBLE. CAUSES EYE IRRITATION.**

\*Hazard Determination System (HDS): Health, Flammability, Reactivity

1 0

**NOTE:** MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.

### Acute Effects

### Routes of Entry

Dermal contact. Eye contact.

- Eyes** Causes eye irritation. Inflammation of the eye is characterized by redness, watering and itching.
- Skin** May cause skin irritation. Skin inflammation is characterized by itching, scaling, or reddening.
- Inhalation** Avoid breathing vapors, spray or mists. Over-exposure by inhalation may cause respiratory irritation.
- Ingestion** May be harmful if swallowed. Can cause gastrointestinal disturbances.

### Chronic effects

There is no known chronic effect after exposure to this product.

Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

**Additional Information:** See Toxicological Information (Section 11)

## Section 3. Composition/Information on Ingredients

ISOPROPYL ALCOHOL; ipa; dimethylcarbinol; 2-propanol

67-63-0

<5

## Section 4. First Aid Measures

- Eye Contact** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention immediately.
- Skin Contact** Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation develops.
- Inhalation** Move exposed person to fresh air. If irritation persists, get medical attention.
- Ingestion** Do not induce vomiting unless directed to do so by medical personnel. If affected person is conscious, give plenty of water to drink. Never give anything by mouth to an unconscious person. Get medical attention immediately.

## Section 5. Fire Fighting Measures

National Fire Protection Association (U.S.A.)



- Flash Point** Closed cup: 58.9°C (138°F)
- Flammable Limits** Not available.
- Flammability** COMBUSTIBLE.
- Fire hazard** In a fire or if heated, a pressure increase will occur and the container may burst.
- Fire-Fighting Procedures** Use an extinguishing agent suitable for the surrounding fire. Fire-fighters should wear appropriate protective equipment.

**Section 13. Disposal Considerations****Waste Information**

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

**Waste Stream** Non-hazardous waste

**Section 14. Transport Information**

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label
DOT Classification	Not regulated.	Not a DOT controlled material (United States).			
IMDG Class	Not determined.				

NOTE: DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

PG\* : Packing group

**Section 15. Regulatory Information****U.S. Federal Regulations**

SARA 313 toxic chemical notification and release reporting:

No products were found.

**Clean Water Act (CWA) 307:** No products were found.

**Clean Water Act (CWA) 311:** No products were found.

**Clean Air Act (CAA) 112 regulated toxic substances:** No products were found.

All Components of this product are listed or exempt from listing on TSCA Inventory.

**State Regulations**

**California Prop 65** No products were found.

**Section 16. Other Information**

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*

\*NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.

# Material Safety Data Sheet



Superior Solutions

Zep Inc.  
1310 Seaboard Industrial Blvd.  
Atlanta, GA 30318  
1-877-1-BUY-ZEP (428-9937)  
www.zep.com

## Section 1. Chemical Product and Company Identification

**Product name** BREAKAWAY (GreenLink)  
**Product use** Carpet Spotter, Deodorizer and Protectant  
**Product code** 0780  
**Date of issue** 08/06/08 **Supersedes** 08/22/03

## Emergency Telephone Numbers

**For MSDS Information:**  
Compliance Services 1-877-1-BUY-ZEP (428-9937)

**For Medical Emergency**  
INFOTRAC: (877) 541-2016 Toll Free - All Calls Recorded

**For Transportation Emergency**  
CHEMTREC: (800) 424-9300 - All Calls Recorded  
In the District of Columbia (202) 483-7616

**Prepared By**  
Compliance Services  
1420 Seaboard Industrial Blvd.  
Atlanta, GA 30318

Printing date: 05/26/09

CALCASIEU PARISH SCHOOL BOARD  
3310 BROAD STREET  
JANITORIAL WAREHOUSE  
LAKE CHARLES LA 70615

## Section 2. Hazards Identification

### Emergency overview

**WARNING !**

COMBUSTIBLE. CAUSES EYE IRRITATION.

**NOTE:** MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.

\*Hazard Determination System (HDS): Health, Flammability, Reactivity

1 2 0

### Acute Effects

### Routes of Entry

Dermal contact. Eye contact.

- Eyes** Causes eye irritation. Inflammation of the eye is characterized by redness, watering and itching.
- Skin** May cause skin irritation. Skin inflammation is characterized by itching, scaling, or reddening.
- Inhalation** Avoid breathing vapors, spray or mists. Over-exposure by inhalation may cause respiratory irritation.
- Ingestion** May be harmful if swallowed. Can cause gastrointestinal disturbances.

### Chronic effects

There is no known chronic effect after exposure to this product.

Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

**Additional Information:** See Toxicological Information (Section 11)

## Section 3. Composition/Information on Ingredients

ISOPROPYL ALCOHOL; ipa; dimethylcarbinol; 2-propanol

67-63-0

<5

## Section 4. First Aid Measures

- Eye Contact** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention immediately.
- Skin Contact** Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation develops.
- Inhalation** Move exposed person to fresh air. If irritation persists, get medical attention.
- Ingestion** Do not induce vomiting unless directed to do so by medical personnel. If affected person is conscious, give plenty of water to drink. Never give anything by mouth to an unconscious person. Get medical attention immediately.

## Section 5. Fire Fighting Measures

National Fire Protection Association (U.S.A.)



- Flash Point** Closed cup: 58.9°C (138°F)
- Flammable Limits** Not available.
- Flammability** COMBUSTIBLE.
- Fire hazard** In a fire or if heated, a pressure increase will occur and the container may burst.
- Fire-Fighting Procedures** Use an extinguishing agent suitable for the surrounding fire. Fire-fighters should wear appropriate protective equipment.



**Section 13. Disposal Considerations****Waste Information**

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

**Waste Stream** Non-hazardous waste

**Section 14. Transport Information**

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label
DOT Classification	Not regulated.	Not a DOT controlled material (United States).			
IMDG Class	Not determined.				

**NOTE:** DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

PG\* : Packing group

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SARA 313 toxic chemical notification and release reporting:

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**Clean Water Act (CWA) 307:** No products were found.

**Clean Water Act (CWA) 311:** No products were found.

**Clean Air Act (CAA) 112 regulated toxic substances:** No products were found.

All Components of this product are listed or exempt from listing on TSCA Inventory.

**State Regulations**

**California Prop 65** No products were found.

**Section 16. Other Information**

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*

\*NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.

**90102192**

**Urinal Screen w/Block**

(M)SDS Format : ANSI ▾

PDF Copy

Print

Email



View (M)SDS Section :

[1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [12](#) [13](#) [14](#) [15](#) [16](#)

## SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Kleen Screen with Deodorant Block (165-1, -2, -3, -4)**  
SDS Manufacturer Number: 165  
Manufacturer Name: <http://www.continentalcommercialproducts.com/contact.htm>  
Address: 305 Rock Industrial Park Drive  
Bridgeton, MO 63044  
USA  
Website: <http://www.continentalcommercialproducts.com/contact.htm>  
Emergency Phone Number: 1-800-424-9300  
CHEMTREC: 800-424-9300 (24 hours everyday).  
Canutec: (613) 996-6666 (Canada 24 hours everyday).

HMIS	
Health Hazard	1
Flammability	0
Reactivity	0
Personal Protection	X

## SECTION 2 : COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent
Sodium Sulfate	7757-82-6	<50 by weight
ethanol amine dodecyl sulfate	N/A	<10 by weight
Fatty amide type surface active agent	N/A	<30 by weight
Alkyl phenol ethoxylates	N/A	<10 by weight
Fatty alkyl ethoxylate sulfates	N/A	<10 by weight
Sulfonic acid	N/A	<10 by weight
Fragrance	N/A	<10 by weight
Pigment	N/A	<2 by weight

## SECTION 3 : HAZARDS IDENTIFICATION

Emergency Overview: WARNING! Irritant.  
Route of Exposure: Eyes. Skin. Inhalation. Ingestion.  
Potential Health Effects:  
Eye: May cause irritation.  
Skin: May cause irritation.

Inhalation:	May cause irritation.
Ingestion:	May be harmful if swallowed. May cause vomiting.
Target Organs:	Eyes. Respiratory system.
Aggravation of Pre-Existing Conditions:	None generally recognized.

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#### SECTION 4 : FIRST AID MEASURES

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Eye Contact:	Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Get immediate medical attention.
Skin Contact:	Immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Ingestion:	If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

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#### SECTION 5 : FIRE FIGHTING MEASURES

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Flammable Properties:	Non Flammable.
Flash Point:	None.
Flash Point Method:	Not applicable.
Auto Ignition Temperature:	Not determined.
Lower Flammable/Explosive Limit:	Not determined.
Upper Flammable/Explosive Limit:	Not determined.
Fire Fighting Instructions:	Evacuate area of unprotected personnel. Use cold water spray to cool fire exposed containers to minimize risk of rupture. Do not enter confined fire space without full protective gear. If possible, contain fire run-off water.
Extinguishing Media:	Use carbon dioxide (CO2) or dry chemical when fighting fires involving this material.
Protective Equipment:	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.

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#### SECTION 6 : ACCIDENTAL RELEASE MEASURES

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Personnel Precautions:	Evacuate area and keep unnecessary and unprotected personnel from entering the spill area.
Spill Cleanup Measures:	Shovel or sweep up for re-use or disposal. Avoid creating dusty conditions. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section.

---

#### SECTION 7 : HANDLING and STORAGE

---

Handling:	Use with adequate ventilation. Avoid breathing dust or particulates.
Storage:	Store in a cool, dry, well ventilated area away from sources of heat and incompatible materials. Keep container tightly closed when not in use.
Hygiene Practices:	Wash thoroughly after handling.

---

#### SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

---

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.
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## Eye/Face Protection:

Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.

## Skin Protection Description:

Wear appropriate protective gloves and other protective apparel to prevent skin contact. Consult manufacturer's data for permeability data.

## Respiratory Protection:

A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

## EXPOSURE GUIDELINES

## SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

Physical State Appearance:	Solid.
Odor:	Floral
Boiling Point:	Not determined.
Melting Point:	Not determined.
Solubility:	Not determined.
Vapor Density:	Not determined.
Vapor Pressure:	Not determined.
Evaporation Rate:	Not determined.
pH:	Not determined.
Flash Point:	None.
Flash Point Method:	Not applicable.
Auto Ignition Temperature:	Not determined.

## SECTION 10 : STABILITY and REACTIVITY

Chemical Stability:	Stable under normal temperatures and pressures.
Hazardous Polymerization:	Not reported.
Conditions to Avoid:	None expected
Incompatible Materials:	Oxidizing agents. Strong acids and alkalis.

## SECTION 11 : TOXICOLOGICAL INFORMATION

**Sodium Sulfate :**

Ingestion: Oral - Mouse LD50: 5989 mg/kg - [Details of toxic effects not reported other than lethal dose value ] (RTECS)

## SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity:	No ecotoxicity data was found for the product.
Environmental Fate:	No environmental information found for this product.

## SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal: Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure

compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.

RCRA Number:

Not determined.

---

## SECTION 14 : TRANSPORT INFORMATION

---

DOT Hazard Class: Not applicable.

DOT Packing Group: Not applicable.

---

## SECTION 15 : REGULATORY INFORMATION

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### Sodium Sulfate :

TSCA Inventory Status: Listed

State Regulations: Listed in the State of Massachusetts Hazardous Substance List.  
Listed in the Pennsylvania State Hazardous Substances List.

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## SECTION 16 : ADDITIONAL INFORMATION

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### HMIS Ratings:

HMIS Health Hazard: 1

HMIS Fire Hazard: 1

HMIS Reactivity: 0

HMIS Personal Protection: X

SDS Revision Date: July 11, 2011

SDS Format: According to ANSI Z400.1-2004

MSDS Author: Actio Corporation

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## SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION

Product Name: Kleen Screen Urinal Screen Red/Strawberry  
Product Code: 165-4  
MSDS Manufacturer Number: 165  
Manufacturer Name: <http://www.continentalcommercialproducts.com/contact.htm>  
Address: 305 Rock Industrial Park Drive  
Bridgeton, MO 63044  
USA  
Website: <http://www.continentalcommercialproducts.com/contact.htm>  
Emergency Phone Number: 1-800-424-9300  
CHEMTREC: 800-424-9300 (24 hours everyday).  
Canutec: (613) 996-6666 (Canada 24 hours everyday).  
MSDS Creation Date: July 20, 2012  
MSDS Revision Date: January 25, 2013  
(M)SDS Format:

HMIS	
Health Hazard	1
Fire Hazard	1
Reactivity	0
Personal Protection	X

## SECTION 2 : COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent
Sodium Sulfate - anhydrous	7757-82-6	60 - 100 by weight
AOS (Alpha Olefin Sulfonate C1416)	9004-8-4	10 - 30 by weight
TX-4 (polyoxyethylene(10)nonyl phenyl ether)	127087-87-0	10 - 30 by weight
Sodium Soap	N/A	10 - 30 by weight

## SECTION 3 : HAZARDS IDENTIFICATION

Emergency Overview: WARNING! Irritant.  
Route of Exposure: Eyes. Skin. Inhalation. Ingestion.  
Potential Health Effects:  
Eye: May cause irritation.  
Skin: May cause irritation.  
Inhalation: May cause irritation.  
Ingestion: May be harmful if swallowed. May cause vomiting.  
Target Organs: Eyes. Respiratory system.  
Aggravation of Pre-Existing Conditions: None generally recognized.

## SECTION 4 : FIRST AID MEASURES

Eye Contact: Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Get immediate medical attention.  
Skin Contact: Immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.  
Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.  
Ingestion: If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

## SECTION 5 : FIRE FIGHTING MEASURES

Flammable Properties: Non Flammable.  
Flash Point: None.  
Flash Point Method: Not applicable.

Auto Ignition Temperature:	Not determined.
Lower Flammable/Explosive Limit:	Not determined.
Upper Flammable/Explosive Limit:	Not determined.
Fire Fighting Instructions:	Evacuate area of unprotected personnel. Use cold water spray to cool fire exposed containers to minimize risk of rupture. Do not enter confined fire space without full protective gear. If possible, contain fire run-off water.
Extinguishing Media:	Use carbon dioxide (CO2) or dry chemical when fighting fires involving this material.
Protective Equipment:	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.

## SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personnel Precautions:	Evacuate area and keep unnecessary and unprotected personnel from entering the spill area.
Spill Cleanup Measures:	Shovel or sweep up for re-use or disposal. Avoid creating dusty conditions. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section.

## SECTION 7 : HANDLING and STORAGE

Handling:	Use with adequate ventilation. Avoid breathing dust or particulates.
Storage:	Store in a cool, dry, well ventilated area away from sources of heat and incompatible materials. Keep container tightly closed when not in use.
Hygiene Practices:	Wash thoroughly after handling.

## SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.
Eye/Face Protection:	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.
Skin Protection Description:	Wear appropriate protective gloves and other protective apparel to prevent skin contact. Consult manufacturer's data for permeability data.
Respiratory Protection:	A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

## EXPOSURE GUIDELINES

## SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

Physical State Appearance:	Solid.
Odor:	Floral.
Boiling Point:	Not determined.
Melting Point:	Not determined.
Solubility:	Soluble in water.
Vapor Density:	Not determined.
Vapor Pressure:	Not determined.
Evaporation Rate:	Not determined.
pH:	Not determined.
Flash Point:	None.
Flash Point Method:	Not applicable.
Auto Ignition Temperature:	Not determined.

## SECTION 10 : STABILITY and REACTIVITY

Chemical Stability:	Stable under normal temperatures and pressures.
Hazardous Polymerization:	Not reported.
Conditions to Avoid:	None expected
Incompatible Materials:	Oxidizing agents. Strong acids and alkalis.



## SECTION 11 : TOXICOLOGICAL INFORMATION

### Sodium Sulfate - anhydrous :

Ingestion: Oral - Mouse LD50: 5989 mg/kg - [Details of toxic effects not reported other than lethal dose value ] (RTECS)

## SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity: No ecotoxicity data was found for the product.

Environmental Fate: No environmental information found for this product.

## SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal: Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.

RCRA Number: Not determined.

## SECTION 14 : TRANSPORT INFORMATION

DOT Hazard Class: Not applicable.

DOT Packing Group: Not applicable.

## SECTION 15 : REGULATORY INFORMATION

### Sodium Sulfate - anhydrous :

TSCA Inventory Status: Listed

State Regulations: Listed in the State of Massachusetts Hazardous Substance List.  
Listed in the Pennsylvania State Hazardous Substances List.

## SECTION 16 : ADDITIONAL INFORMATION

MSDS Creation Date: July 20, 2012

MSDS Revision Date: January 25, 2013

MSDS Author: Actio Corporation

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**Continental Commercial Products**

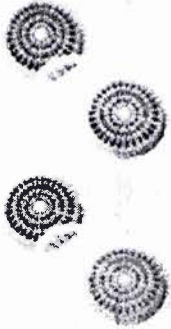
305 Rock Industrial Park Dr.

Bridgeton, MO 63044

Phone: +1 314.656.4301

Email: [JaniCS@contico.com](mailto:JaniCS@contico.com) • Website: [www.continentalcommercialproducts.com](http://www.continentalcommercialproducts.com)

All Categories &gt; Restroom Products &gt; Urinal &amp; Toilet Products &gt; Kleen Screen Urinal Screens &gt; Item # 165-4

**Item # 165-4, Kleen Screen Urinal Screens**With 4 oz (113 g) Non-Para, Deodorant Block  
White with Red Block[larger image](#)**Specifications**

CMC Item Name	Kleen Screen - Urinal Screen
Brand	CMC
Stock Item	Yes
Scent	Strawberry
Pack Case	1 dz.
Case Weight	3.74 lb
Case Cube	0.37
Fragrance	Strawberry
Capacity	4 oz 113 g
Color	White with Red Block
Unit of Measure	Dozen
Carton Quantity	1
Carton US Weight	3.78
Carton US Cubes	0.37
Carton Metric Weight	1.714608
Carton Metric Cubes	0.10471
Master Carton Quantity	1
Master Carton US Weight	3.78
Master Carton US Cube	0.37
Master Carton Metric Weight	1.714608
Master Carton Metric Cube	0.10471
Modular Carton Quantity	90
Modular Carton US Weight	340.2
Modular Carton US Cube	33.75
Modular Carton Metric Weight	154.31472
Modular Carton Metric Cube	9.55125

90400900

# Furniture Polish



# SAFETY DATA SHEET



Lemon Oil Furniture Polish

## Section 1. Identification

GHS product identifier : Lemon Oil Furniture Polish  
Other means of identification : Not available.  
Product type : Liquid.

### Relevant identified uses of the substance or mixture and uses advised against

Not applicable.

Supplier's details : Betco Corporation  
1001 Brown Avenue  
Toledo, OH 43607  
www.betco.com  
888-462-3826

Emergency telephone number (with hours of operation) : Chemtrec 800-424-9300 (24 Hour)

## Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : FLAMMABLE AEROSOLS - Category 1

### GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : Extremely flammable aerosol.

### Precautionary statements

Prevention : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Pressurized container: Do not pierce or burn, even after use. Do not spray on an open flame or other ignition source.

Response : Not applicable.

Storage : Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Disposal : Not applicable.

Hazards not otherwise classified : None known.

## Section 3. Composition/information on ingredients

Substance/mixture : Mixture  
Other means of identification : Not available.

### CAS number/other identifiers

CAS number : Not applicable.



### Section 3. Composition/information on ingredients

Ingredient name	%	CAS number
propane	≥1 - <3	74-98-6

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First aid measures

#### Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

#### Most important symptoms/effects, acute and delayed

##### Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

##### Over-exposure signs/symptoms

- Eye contact** : No specific data.
- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : No specific data.

#### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

## Section 5. Fire-fighting measures

### Extinguishing media

**Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable extinguishing media** : None known.

**Specific hazards arising from the chemical** : Extremely flammable aerosol. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Bursting aerosol containers may be propelled from a fire at high speed. Runoff to sewer may create fire or explosion hazard.

**Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide

**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. In the case of aerosols being ruptured, care should be taken due to the rapid escape of the pressurized contents and propellant. If a large number of containers are ruptured, treat as a bulk material spillage according to the instructions in the clean-up section. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

**Small spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

#### Protective measures

: Put on appropriate personal protective equipment (see Section 8). Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous. Do not reuse container.

#### Advice on general occupational hygiene

: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

#### Conditions for safe storage, including any incompatibilities

: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
propane	<b>OSHA PEL 1989 (United States, 3/1989).</b> TWA: 1000 ppm 8 hours. TWA: 1800 mg/m <sup>3</sup> 8 hours. <b>NIOSH REL (United States, 10/2013).</b> TWA: 1000 ppm 10 hours. TWA: 1800 mg/m <sup>3</sup> 10 hours. <b>OSHA PEL (United States, 2/2013).</b> TWA: 1000 ppm 8 hours. TWA: 1800 mg/m <sup>3</sup> 8 hours.

#### Appropriate engineering controls

: The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

#### Environmental exposure controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

#### Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

#### Eye/face protection

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields. Recommended: safety glasses



## Section 8. Exposure controls/personal protection

<b>Hand protection</b>	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. < 1 hour (breakthrough time): disposable vinyl
<b>Body protection</b>	: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.
<b>Other skin protection</b>	: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
<b>Respiratory protection</b>	: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
<b>Personal protective equipment (Pictograms)</b>	:



## Section 9. Physical and chemical properties

### Appearance

<b>Physical state</b>	: Liquid.
<b>Color</b>	: White to yellowish. [Light]
<b>Odor</b>	: Lemon-like.
<b>Odor threshold</b>	: Not available.
<b>pH</b>	: Not applicable.
<b>Melting point</b>	: Not available.
<b>Boiling point</b>	: Not available.
<b>Flash point</b>	: Closed cup: <-18°C (<-0.4°F)
<b>Evaporation rate</b>	: Not available.
<b>Flammability (solid, gas)</b>	: Not available.
<b>Lower and upper explosive (flammable) limits</b>	: Not available.
<b>Vapor pressure</b>	: Not available.
<b>Vapor density</b>	: Not available.
<b>Relative density</b>	: 0.92
<b>Solubility</b>	: Insoluble in the following materials: cold water and hot water.
<b>Partition coefficient: n-octanol/water</b>	: Not available.
<b>Auto-ignition temperature</b>	: Not available.
<b>Decomposition temperature</b>	: Not available.
<b>Viscosity</b>	: Not available.

### Aerosol product

<b>Type of aerosol</b>	: Spray
<b>Heat of combustion</b>	: 3.642 kJ/g



## Section 10. Stability and reactivity

- Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- Chemical stability** : The product is stable.
- Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- Conditions to avoid** : Avoid all possible sources of ignition (spark or flame).
- Incompatible materials** : No specific data.
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Not available.

#### Irritation/Corrosion

Not available.

#### Sensitization

Not available.

#### Mutagenicity

Not available.

#### Carcinogenicity

Not available.

#### Reproductive toxicity

Not available.

#### Teratogenicity

Not available.

#### Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
propane	Category 3	Not applicable.	Respiratory tract irritation

#### Specific target organ toxicity (repeated exposure)

Not available.

#### Aspiration hazard

Not available.

**Information on the likely routes of exposure** : Routes of entry anticipated: Dermal, Inhalation.  
Routes of entry not anticipated: Oral.

#### Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.

## Section 11. Toxicological information

Ingestion : No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.

Inhalation : No specific data.

Skin contact : No specific data.

Ingestion : No specific data.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

#### Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

#### Potential chronic health effects

Not available.

General : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Not available.

## Section 12. Ecological information

### Toxicity

Not available.

### Persistence and degradability

Not available.

### Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
propane	1.09	-	low

### Mobility in soil







Soil/water partition coefficient (K<sub>oc</sub>) : Not available.

## Section 13. Disposal considerations

### Disposal methods

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	ADR/RID	IMDG	IATA
UN number	UN1950	UN1950	UN1950	UN1950	UN1950	UN1950
UN proper shipping name	Aerosols	Aerosols	Aerosols	Aerosols	Aerosols	Not available.
Transport hazard class(es)	2.1 	2.1 	2.1 	2 	2.1 	2.1 
Packing group	-	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.	No.
Additional information	<u>Limited quantity</u> Yes.	-	-	<u>Tunnel code</u> (D)	-	-

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** : Not available.

## Section 15. Regulatory information

**U.S. Federal regulations** : **TSCA 8(a) PAIR:** Siloxanes and Silicones, di-Me  
**TSCA 8(a) CDR Exempt/Partial exemption:** Not determined  
 Not determined.  
**Clean Air Act (CAA) 112 regulated flammable substances:** butane; propane

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : Not listed

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed

## Section 15. Regulatory information

DEA List I Chemicals : Not listed  
(Precursor Chemicals)

DEA List II Chemicals : Not listed  
(Essential Chemicals)

### SARA 302/304

#### Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

### SARA 311/312

Classification : Fire hazard

#### Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
propane	≥1 - <3	Yes.	Yes.	No.	Yes.	No.

### State regulations

Massachusetts : The following components are listed: BUTANE; PROPANE

New York : None of the components are listed.

New Jersey : The following components are listed: BUTANE; PROPANE

Pennsylvania : The following components are listed: BUTANE; PROPANE

### International regulations

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

#### Montreal Protocol (Annexes A, B, C, E)

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

#### Rotterdam Convention on Prior Inform Consent (PIC)

Not listed.

#### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

### International lists

#### National inventory

Australia : Not determined.

Canada : Not determined.

China : Not determined.

Europe : Not determined.

Japan : Not determined.

Malaysia : Not determined.

New Zealand : Not determined.

Philippines : Not determined.

Republic of Korea : Not determined.

Taiwan : Not determined.



## Section 16. Other information

### Hazardous Material Information System (U.S.A.)

Health	1
Flammability	2
Physical hazards	0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

### National Fire Protection Association (U.S.A.)



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

### Procedure used to derive the classification

Classification	Justification
Flam. Aerosol 1, H222	On basis of test data

### History

Date of printing	: 4/8/2015.
Date of issue/Date of revision	: 4/8/2015.
Date of previous issue	: 4/8/2015.
Version	: 2
Key to abbreviations	: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations

References : Not available.

Indicates information that has changed from previously issued version.

### Notice to reader

## Section 16. Other information

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.



# Spartan Chemical Company, Inc.

## Material Safety Data Sheet

### SECTION I: PRODUCT INFORMATION

Product Name or Number (as it appears on label):

**CITRO SHIELD FURNITURE POLISH(AEROSOL)**

Product Number: 6120

Product Division:

**Janitorial**

**Spartan Chemical Company, Inc.**  
**1110 Spartan Drive**  
**Maumee OH 43537**

Product/Technical Information: **1-(800)-537-8990**

Medical Emergency: **1-(888)-314-6171 (24 hours)**

Chemical Leak/Spill Emergency: **CHEMTREC 1-(800) 424-9300 (24 hours)**

Shipping Description: ORM-D, Consumer commodity, cleaning compounds, aerosol, n.o.s.

NFPA Ratings:	HMIS Ratings:
<b>Health:</b> 0 - Minimal <b>Fire:</b> 0 - Minimal <b>Reactivity:</b> 1- Slight	<b>Health:</b> 0 - Minimal <b>Fire:</b> 0 - Minimal <b>Reactivity:</b> 1- Slight <b>Pers. Prot. Equip.:</b> A - Safety Glasses

### SECTION II: HAZARDOUS INGREDIENTS

(Listed when present at 1% or greater, carcinogens at 0.1% or greater) All component chemicals are listed or exempted from listing on the "TSCA Inventory" of chemical substances maintained by the U.S. Environmental Protection Agency.

Chemical Name(s)	%Wt	CAS Registry No.	Table Z-1-A			Carcinogen
			TWA mg/m <sup>3</sup>	STEL mg/m <sup>3</sup>	CEILING mg/m <sup>3</sup>	
Isobutane	01-05	75-28-5	1900 (NIOSH)	Not Established	Not Established	No

### SECTION III: PHYSICAL DATA

Boiling Point: 212 °F	Vapor Pressure: Unknown
Vapor Density (AIR = 1): Unknown	Solubility in Water: Forms an emulsion
pH: 8.0-9.0	Specific Gravity (H <sub>2</sub> O=1): 0.98 (Concentrate)
Evaporation Rate (but.ace.=1): <1(Concentrate)	Percent Solid by Weight: 2-4
Physical State: Liquid	
Appearance & Odor: Creamy white, lemon fragrance	

### SECTION IV: FIRE & EXPLOSIVE HAZARD DATA

Flash Point: Propellant <0°F	Method Used: ASTM-D3065
Flammable Limits: Not Established	Flame Extension: 0"
Extinguishing Media: Water fog	
Special Fire Fighting Procedures: Use equipment or shielding required to protect personnel against bursting, rupturing or venting containers.	
Unusual Fire & Explosive Hazards: N/A, At elevated temperatures (54°F/130°F) containers may vent, rupture or burst.	

**SECTION V: HEALTH HAZARD DATA**

Threshold Limit Value: Not established	Primary Routes of Entry: Skin Contact
Effects of Overexposure- May cause eye irritation; avoid contact with eyes. Conditions to Avoid:	
Conditions Aggravated by Use: None known	
<b>Emergency &amp; First Aid Procedures:</b> Eyes: In case of contact; immediately flush with water for at least 15 minutes. Remove contact lenses. If irritation persists; seek medical attention.	

**SECTION VI: REACTIVITY DATA**

Stability: Stable	Incompatible Materials: None known
Hazardous Decomposition Products: None	Hazardous Polymerization: Will Not Occur

**SECTION VII: SPILL OR LEAK PROCEDURES**

Steps to be Taken in Case Material is Released or Spilled: Flush with water into sanitary sewer system. Largest container is one (1) pound aerosol can.
Waste Disposal Method: Do not incinerate or puncture aerosol container. Dispose of in accordance with state or local regulations.

**SECTION VIII: SPECIAL PROTECTION INFORMATION**

Respiratory Protection: None required
Ventilation: Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.
Protective Gloves(Specify Type): Not required
Eye Protection(Specify Type): Not required
Other Protective Equipment: None

**SECTION IX: SPECIAL PRECAUTIONS**

Precautions; Handling & Storing: Contents under pressure. Do not use near fire; sparks or flame. Do not store where temperatures could exceed 120°F.
Other Precautions: None

© SCC 09/21/99

Name: Ronald T. Cook

Title: Manager, Regulatory Affairs

**CITRO SHIELD FURNITURE POLISH  
(AEROSOL)**

Effective Date: 09/21/99

Supercedes: 02/06/98

Ref: 29 CFR 1910.1200 (OSHA)

Changes: Address and Format

This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained herein. Actual conditions of use and handling are beyond sellers control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State and Local laws and regulations.



**90030582**

**AVANCE Sani-Quat  
Disinfectant  
(CAFÉ use only)**

# SAFETY DATA SHEET

State Industrial Products  
5915 Landerbrook Drive  
Mayfield Heights, OH 44124  
To Order Call: 1-866-747-2229



## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: AVANCE SANI QUAT  
Product Description: A formulated cleaner, sanitizer, fungicide, virucide and deodorizer.  
EPA Registration Number: 10324-63-84423

24 Hour Emergency CHEMTREC Number: 800-424-9300  
MSDS Number: 117496

EPA Establishment Number: 70799-OH-2

## 2. HAZARDS IDENTIFICATION

### \*\*\*EMERGENCY OVERVIEW\*\*\*

#### FIFRA Hazard Classification:

DANGER. Keep Out of Reach of Children. Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed or absorbed through the skin. Do not get into eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves and protective clothing when handling. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

Skin corrosion/irritation: Category 1A, B, C

Acute toxicity; inhalation: Category 4

Acute toxicity; oral: Category 4

Corrosive to metals: Category 1



Corrosive

Exclamation  
Mark

DANGER

#### Hazard Statements:

H314 Causes severe skin burns and eye damage. H332 Harmful if inhaled. H302 Harmful if swallowed. H290 May be corrosive to metals.

#### Precautionary Statements:

P261 Avoid breathing vapors. P270 Do not eat, drink or smoke when using this product. P234 Keep only in original container. P271 Use only outdoors or in a well-ventilated area. P264 Wash hands thoroughly after handling. P280 Wear protective gloves, protective clothing, and eye protection.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Ingredients</u>	<u>CAS Number</u>	<u>Weight</u>	<u>ACGIH</u>	<u>OSHA</u>
n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18) Dimethyl Benzyl Ammonium Chloride	68391-01-5	5.00%	NE	NE
Alkyl (68% C12, 32% C14) Dimethyl Ethylbenzyl Ammonium Chloride	68956-79-6	5.00%	NE	NE
Water	7732-18-5	>79%	NE	NE

## 4. FIRST AID MEASURES

P390 Absorb spillage to prevent material damage. P312 Call a POISON CENTER or physician if you feel unwell. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P332+P313 IF SKIN irritation occurs: Get medical attention. P301+P312 IF SWALLOWED: call a POISON CENTER or physician if you feel unwell. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

## 5. FIRE FIGHTING MEASURES

Flashpoint(Method): >200°F [93°C]

Lower Explosive Limit(LEL): NA Upper Explosive Limit(UEL): NA Autoignition Temperature: NA

Flammable Properties: None Expected

Extinguishing Media: Carbon Dioxide, dry chemical, foam.

Fire Fighting Instructions: Wear self-contained breathing apparatus and full protective clothing. Contains oil, water is not effective in fire fighting. Water may be used to cool closed containers to prevent possible explosive when exposed to extreme heat.

## 6. ACCIDENTAL RELEASE MEASURES

Ventilate area. Halt spill at source, dike and contain spill. Flush with plenty of water to drain. Dispose of in accordance with Federal, State and Local Regulations regarding waste disposal.

## 7. HANDLING AND STORAGE

P406 Store in corrosive resistant container with a resistant inner liner. P402 Store in dry place. P405 Store locked up.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use general or local ventilation to keep exposure levels below exposure limits.

Personal Protective Equipment: Personal Protective Equipment: Respiratory: Use respirable fume respirator or air supplied respirator when soldering in confined space or where local exhaust or ventilation does not keep exposure

Respiratory: Normal room ventilation is adequate. Use a NIOSH/MHSA approved respirator if exposure limits are exceeded.

Eye: Wear approved safety glasses or goggles with unperforated eyeshields where splashing may occur.

Skin: For repeated or prolonged contact, wear chemically impervious gloves such as Nitrile.

Other: An emergency eyewash station or source of clean potable water should be available in case of accidental eye contact.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Light red.

Physical State: Liquid.

Solubility in Water: 100%

Boiling Point: NA

Freezing Point: NA

Melting Point: NA

Odor: Slightly Sweet

pH: 7.05

Diluted pH: NA

Specific Gravity: 0.994

VOC Content: <13%

## 10. STABILITY AND REACTIVITY

Stability: Stable

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Do not mix with any other chemicals.

Incompatibility: None expected

Hazardous Decomposition Products: Carbon Dioxide, Carbon Monoxide

## 11. TOXICOLOGICAL INFORMATION

This product contains no ingredient at 0.1% or greater that is listed as a human carcinogen.

<u>Hazardous Ingredients</u>	<u>CAS Number</u>	<u>LD50</u>	<u>LC50</u>
n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18) Dimethyl Benzyl Ammonium Chloride	68391-01-5	250 mg/kg (oral rat)	3400 mg/kg (rabbit)
Alkyl (68% C12, 32% C14) Dimethyl Ethylbenzyl Ammonium Chloride	68956-79-6	3400 mg/kg (rabbit oral)	86 mg/l/1 hr (rat)
Water	7732-18-5	NE	NE

## 12. ECOLOGICAL INFORMATION

This product is toxic to fish.

## 13. DISPOSAL CONSIDERATIONS

P501 Dispose of container in accordance with all Federal, State and Local Regulations regarding waste disposal.

## 14. TRANSPORT INFORMATION

DOT Shipping Data: For 1 gallon container sizes and smaller: Limited Quantity; For sizes greater than 1 gallon: UN1903, DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (QUATERNARY AMMONIUM COMPOUND), 8, III

Canadian TDG: Not available for sale in Canada.

For International Shipments by Air: NA

For International Shipments by Vessel: NA

## 15. REGULATORY INFORMATION

TSCA: All ingredients in this product are listed or exempt from listing on the TSCA Chemical Inventory.

CEPA: All ingredients in this product are listed or exempt from listing on the Canadian DSL/NDL.

Proposition 65: This product may contain trace amounts of the following chemicals that are known to the state of California to cause cancer, birth defects or other reproductive harm. Benzyl Chloride CAS# 100-44-7 < 100 ppm

SARA 313: This product contains no toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40CFR372).

VOC: <13%

HMIS RATING: HEALTH = 3 FLAMMABILITY = 0 REACTIVITY = 0 PPE = D

WHMIS RATING: Not available for sale in Canada

## 16. OTHER INFORMATION

NA = Not Available or Not Applicable

NE = Not Established

Read and follow all label directions and precautions before using the product. This product is intended for industrial and institutional use only. NOT FOR HOUSEHOLD USE OR RESALE. KEEP OUT OF THE REACH OF CHILDREN. While we believe that the data contained herein is factual and the opinions expressed are those of qualified experts, the data are not to be taken as a warranty or representation for which the company assumes legal responsibility. They are offered solely for your consideration, investigation, and verification. Any use of these data and information must be determined by the user to be in accordance with applicable Federal, State, and Local Laws and regulations.



# FICHE SIGNALÉTIQUE DE SÉCURITÉ

State Industrial Products  
5915 Landerbrook Drive  
Mayfield Heights, OH 44124  
To Order Call: 1-866-747-2229



## 1. IDENTIFICATION DU PRODUIT CHIMIQUE ET DE LA SOCIÉTÉ

Nom du produit : AVANCE SANI QUAT

Description du produit : Un nettoyant formulé, désinfectant, fongicide, virucide et désodorisant.

EPA Registration Number : 10324-63-84423

Numéro d'urgence CHEMTREC 24 h/24 : 800-424-9300

Numéro de la fiche signalétique de produit : 117496

EPA Establishment Number : 70799-OH-2

## 2. IDENTIFICATION DES DANGERS

\*\*\*VUE GÉNÉRALE D'URGENCE\*\*\*



Corrosif



Point  
d'exclamation

### DANGER

Mention de danger:

H314 Provoque des brûlures de la peau et des lésions oculaires graves. H332 Nocif par inhalation. H302 Nocif en cas d'ingestion. H290 Peut être corrosif pour les métaux.

Conseils de prudence:

P261 Éviter de respirer les vapeurs. P270 Ne pas manger, boire ou fumer en manipulant ce produit. P234 Conserver uniquement dans le récipient d'origine. P271 Utiliser seulement en plein air ou dans un endroit bien ventilé. P264 Se laver soigneusement la peau après manutention. P280 Porter des gants de protection, des vêtements de protection, une protection oculaire.

## 3. COMPOSITION/INFORMATION SUR LES INGRÉDIENTS

Ingrédients dangereux	Numéro CAS	Poids	ACGIH	OSHA
n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18) Dimethyl Benzyl Ammonium Chloride	68391-01-5	5.00%	NE	NE
Eau	68956-79-6 7732-18-5	5.00% >79%	NE NE	NE NE

## 4. PREMIERS SOINS

P390 Absorber toute substance répandue pour éviter qu'elle attaque les matériaux environnants. P312 Appeler un CENTRE ANTIPOISON ou un médecin en cas de malaise. P305+P351+P338 EN CAS DE CONTACT AVEC LES YEUX: rincer avec précaution à l'eau pendant plusieurs minutes. Enlever les lentilles de contact si la victime en porte et si elles peuvent être facilement enlevées. Continuer à rincer. P304+P340 EN CAS D'INHALATION : Transporter la victime à l'extérieur et la maintenir au repos dans une position où elle peut confortablement respirer. P302+P352 EN CAS DE CONTACT AVEC LA PEAU: laver abondamment à l'eau et au savon. P332+P313 En cas d'irritation cutanée: consulter un médecin. P301+P312 EN CAS D'INGESTION : Appeler un CENTRE ANTIPOISON ou un médecin en cas de malaise. P301+P330+P331 EN CAS D'INGESTION : Rincer la bouche. NE PAS faire vomir.

## 5. EN CAS D'INCENDIE

Point d'éclair : >200°F [93°C]

Limite d'explosivité inférieure (LIE) : NA Limite d'explosivité supérieure (LSE) : NA

Température d'auto-inflammation : NA

Propriétés d'inflammabilité : aucune présumée

Moyens d'extinction : Dioxyde de carbone, poudre chimique, mousse extinctrice.

Lutte contre l'incendie : Porter un appareil respiratoire autonome et une tenue protectrice intégrale. Contient de l'huile, l'eau n'est pas un moyen d'extinction efficace. Utiliser de l'eau pour rafraîchir les récipients hermétiques exposés à une chaleur extrême pour écarter les risques d'explosion.

## 6. ÉMISSIONS ACCIDENTELLES

Ventiler la zone. Interrompre le déversement à la source, l'endiguer et le contenir. Évacuer à grande eau. Éliminer conformément aux réglementations fédérale, provinciale et locale en vigueur en matière d'élimination des déchets

## 7. MANIPULATION ET CONSERVATION

P406 Entreposer dans un contenant résistant à la corrosion muni d'un revêtement intérieur non corrosif. P402 Stocker dans un endroit sec. P405 Entreposer dans un endroit verrouillé.

## 8. EXPOSITION/PROTECTION INDIVIDUELLE

Moyens techniques : Assurer une ventilation forcée adéquate pour maintenir l'exposition en deçà de la valeur limite d'exposition.

Équipement de protection individuelle : Équipement de protection individuelle : Équipement de protection individuelle : respiratoire : Utiliser un appareil respiratoire pour vapeurs inhalables ou un appareil respiratoire à adduction d'air pour souder dans les espaces fermés ou dans les endroits où l'aspiration ou la ventilation locales ne suffisent pas à maintenir l'exposition en dessous de son seuil limite admissible.



Respiratoire : La ventilation normale est suffisante. Si les limites d'exposition sont dépassées, utiliser un appareil respiratoire agréé NIOSH/MSHA.

Oculaire : Porter des lunettes de protection homologuées munies d'écrans latéraux non perforés.

Cutanée : En cas de contact répété ou prolongé, porter des gants de protection chimique.

Autre : Un bassin oculaire d'urgence ou une source d'eau potable propre devrait être prêt à être utilisé en cas de contact oculaire accidentel.

## 9. PROPRIÉTÉS PHYSIQUES ET CHIMIQUES

Aspect : Rouge clair  
État de la matière : Liquide  
Solubilité dans l'eau : 100%  
Contenu de VOC : <13%

Odeur : Légèrement sucré  
Concentrer pH : 7.05  
Dilué pH : NA  
Densité : NA  
Point de congélation/fusion : NA / NA

## 10. STABILITÉ ET RÉACTIVITÉ

Stabilité : Stable  
Polymérisation dangereuse : Ne se produira pas.  
Conditions à éviter : Ne pas mélanger avec d'autres produits chimiques.  
Incompatibilité : Aucune connue  
Produits de décomposition dangereuse : Monoxyde de carbone, dioxyde de carbone.

## 11. INFORMATIONS TOXICOLOGIQUES

Ce produit ne contient aucun ingrédient déclaré cancérigène humain à des teneurs supérieures ou égales à 0,1 %.

Ingrédients dangereux	Numéro CAS	LD50	LC50
n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18) Dimethyl Benzyl Ammonium Chloride	68391-01-5	250 mg/kg (oral rat)	3400 mg/kg (rabbit)
Eau	68956-79-6 7732-18-5	3400 mg/kg (rabbit oral) NE	86 mg/l/1 hr (rat) NE

## 12. INFORMATIONS ÉCOLOGIQUES

Ce produit est toxique pour les poissons.

## 13. DESTRUCTION

P501 Éliminer le contenant conformément à tous les règlements fédéraux, d'État et locaux en matière d'élimination des déchets.

## 14. TRANSPORT

INFORMATION DE TRANSPORT D.O.T. : Pour les contenants d'un gallon et moins : Quantité limitée. Pour les contenants de plus d'un gallon : UN1903, DÉINFECTANT, LIQUIDE, CORROSIF, N.S.A. (COMPOSÉ D'AMMONIUM QUATERNAIRE), 8, III.

TMD AU CANADA : Non disponible pour la vente au Canada.

Pour les expéditions internationales par Air : NA

Pour les expéditions internationales par Vessel : NA

## 15. INFORMATIONS RÉGLEMENTAIRES

TSCA : Tous les ingrédients contenus dans ce produit figurent ou sont exempts de figurer sur l'inventaire du TSCA.

CEPA : Tous les ingrédients contenus dans ce produit figurent ou sont exempts de figurer sur la LIS et la LES (Canada).

Proposition 65 : Ce produit peut contenir des traces de ce qui suit des produits chimiques qui sont connus de l'état de Californie pour causer le cancer, des malformations congénitales ou autres problèmes de reproduction. 100-44-7 Chlorure de benzyle <100 ppm

SARA 313 : Ne produit ne contient aucune substance chimique toxique devant être déclarée aux termes de la section 313 de la loi Emergency Planning and Community Right-To-Know Act de 1986 (40 CFR 372.65C).

CLASSIFICATION HMIS : SANTÉ = 3 INFLAMMABILITÉ = 0 RÉACTIVITÉ = 0 EPS = D

CLASSIFICATION SIMDUT : Non disponible pour la vente au Canada

## 16. AUTRES INFORMATIONS

néant = Non disponible ou sans objet

n.e. = Non établi

Lire et suivre toutes les instructions et les précautions d'emploi figurant sur l'étiquette avant d'utiliser le produit. Ces produits sont réservés uniquement à l'usage industriel et par les collectivités. CES PRODUITS NE SONT PAS DESTINÉS À L'USAGE DOMESTIQUE OU À LA REVENTE. GARDER HORS DE LA PORTÉE DES ENFANTS. Bien qu'à notre avis les informations énoncées ci-dessus soient réelles et que le jugement exprimé soit celui d'experts qualifiés, elles ne doivent pas être considérées comme une garantie ou une déclaration pour lesquelles la société assume une responsabilité légale. Ces informations sont données uniquement pour examen, investigation et vérification. L'utilisation de ces informations doit être déterminée par l'utilisateur conformément à la réglementation et à la loi fédérales, d'État et régionales applicables.

INFORMATIONS SUR LA SANTÉ ET LA SÉCURITÉ : (216) 861-7114

Date de Préparation: 12/01/2015 Remplace : 10/01/2014

# PLANILLA DE DATOS DE SEGURIDAD

State Industrial Products  
5915 Landerbrook Drive  
Mayfield Heights, OH 44124  
To Order Call: 1-866-747-2229



## 1. PRODUCTO QUÍMICO Y DATOS DE LA COMPAÑÍA

Nombre del producto: AVANCE SANI QUAT  
Descripción del producto: Un limpiador formulado, desinfectante, fungicida, virucida y desodorizante.  
EPA Registration Number: 10324-63-84423

Núm. CHEMTREC las 24 horas: 800-424-9300  
Número MSDS: 117496

EPA Establishment Number: 70799-OH-2

## 2. ENUMERACIÓN DE PELIGROS

### \*\*\*DESCRIPCIÓN GENERAL DE LAS SITUACIONES DE EMERGENCIA\*\*\*



Corrosivo



Signo de  
exclamación

### PELIGRO

H314 Provoca quemaduras graves en la piel y lesiones oculares graves. H332 Nocivo en caso de inhalación. H302 Nocivo en caso de ingestión. H290 Puede ser corrosivo para los metales.

P261 Evitar respirar humo. P270 No comer, beber ni fumar durante su utilización. P234 Mantener en el recipiente original. P271 Utilizar únicamente en exteriores o en un lugar bien ventilado. P264 Lavar la piel meticulosamente después de la manipulación. P280 Llevar guantes protectores, ropa protectora, protección en los ojos.

## 3. COMPOSICIÓN/INFORMACIÓN SOBRE LOS COMPONENTES

<u>Componentes peligrosos</u>	<u>Número CAS</u>	<u>Peso</u>	<u>ACGIH</u>	<u>OSHA</u>
n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18) Dimethyl Benzyl Ammonium Chloride	68391-01-5	5.00%	NE	NE
Cloruro de alquil (68% C12, 32% C14) dimetil etilbencil amonio	68956-79-6	5.00%	NE	NE
Agua	7732-18-5	>79%	NE	NE

## 4. MEDIDAS DE PRIMEROS AUXILIOS

P390 Absorber el vertido para que no dañe otros materiales. P312 Llamar a un CENTRO DE INFORMACION TOXICOLOGICA o a un médico en caso de malestar. P305+P351+P338 EN CASO DE CONTACTO CON LOS OJOS: Aclarar cuidadosamente con agua durante varios minutos. Quitar las lentes de contacto, si lleva y resulta fácil. Seguir aclarando. P304+P340 EN CASO DE INHALACIÓN: Lleve a la víctima al aire fresco y Mantenga descansando en una posición cómoda para respirar. P302+P352 EN CASO DE CONTACTO CON LA PIEL: Lavar con agua y jabón abundantes. P332+P313 En caso de irritación cutánea: Consultar a un médico. P301+P312 EN CASO DE INGESTIÓN: llamar a un CENTRO DE TOXICOLOGÍA o médico SI se siente indispuerto. P301+P330+P331 EN CASO DE INGESTIÓN: Limpie la boca. NO provoque el vómito.

## 5. MEDIDAS PARA COMBATIR INCENDIOS

Pto. inflamabilidad: >200°F [93°C]

Límite explosivo inferior (LEL): NA Límite explosivo superior (UEL): NA Temperatura de autoignición: NA

Inflamabilidad: No se espera ninguna.

Medio extinguidor: Dióxido de carbono, productos químicos en polvo, espuma.

Instrucciones para combatir el fuego: Use un aparato autónomo para respirar e indumentaria de protección. Por contener aceite, el agua no resultará eficaz para combatir incendios. Puede usarse agua para enfriar los recipientes cerrados y evitar una posible explosión si éstos estuvieran expuestos a calor extremo.

## 6. MEDIDAS EN CASO DE DERRAME ACCIDENTAL

Ventile el área. Coloque una barrera física y contenga el derrame en el propio sitio de origen. Limpie el derrame con agua en abundancia y vierta todo por el drenaje. Obedezca todos los reglamentos federales, estatales y locales relativos a la disposición final de residuos.

## 7. MANIPULACIÓN Y ALMACENAMIENTO

P406 Almacenar en resistente al corrosivo contáiner con una línea interna resistente. P402 Almacenar en un lugar seco. P405 Almacenar bajo llave.

## 8. CONTROL DE EXPOSICIÓN/PROTECCIÓN PERSONAL

Controles de ingeniería: Proveer suficiente ventilación mecánica para mantener la exposición por debajo del límite de concentración máxima (Threshold Limit Value, TLV).

Equipo de protección personal: Equipo de protección personal: Respiratorio: Cuando suelde en recintos pequeños o cuando la ventilación local no mantenga la exposición por debajo del TLV, utilice una mascarilla que proteja contra las emanaciones o un respirador con suministro de oxígeno.

Respiratorio: Si el límite de exposición en el lugar de trabajo es excedido, se aconseja el uso de un respirador de aire ante la ausencia de control ambiental.

Ojos: Use gafas protectoras o gafas con protección lateral sin perforaciones aprobadas.

Piel: Si el contacto fuera prolongado o repetido, use guantes resistentes a productos químicos.

Otros: Una estación de lavavojos de emergencia o una fuente de agua potable limpia debe estar disponible en caso de contacto accidental con los ojos.

## 9. PROPIEDADES FÍSICAS Y QUÍMICAS

Aspecto: Rojo claro.  
Estado de agregación: Líquido  
Solubilidad en agua: 100%  
Contenido de VOC: <13%

Olor: Ligeramente dulce  
Concentrase pH: 7.05  
Diluido pH: NA  
Peso específico: 0.994  
Punto de congelación/fusión: NA / NA

## 10. ESTABILIDAD Y REACTIVIDAD

Estabilidad: Estable  
Polimerización peligrosa: No ocurrirá.  
Condiciones a evitar: No mezcle con otros productos químicos.  
Incompatibilidad: Agentes oxidantes.  
Productos de descomposición peligrosos: Monóxido de carbono, Dióxido de carbono.

## 11. INFORMACIÓN TOXICOLÓGICA

Este producto no contiene ningún componente en 0.1% o más del que se señale como un carcinógeno humano.

<u>Componentes peligrosos</u>	<u>Número CAS</u>	<u>LD50</u>	<u>LC50</u>
n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18) Dimethyl Benzyl Ammonium Chloride	68391-01-5	250 mg/kg (oral rat)	3400 mg/kg (rabbit)
Cloruro de alquil (68% C12, 32% C14) dimetil etilbencil amonio	68956-79-6	3400 mg/kg (rabbit oral)	86 mg/l/1 hr (rat)
Agua	7732-18-5	NE	NE

## 12. INFORMACIÓN ECOLÓGICA

Este producto es tóxico para los peces.

## 13. SUGERENCIAS PARA SU DISPOSICIÓN FINAL

P501 Elimine el recipiente en conformidad con todas las regulaciones federales, estatales y locales relacionadas con la eliminación de residuos.

## 14. INFORMACIÓN SOBRE TRANSPORTE

DATOS DE EMBARQUE SEGÚN EL DOT (Ministerio de Transporte de los EE.UU.): Para envases tamaño galón y menores: Cantidad limitada. Para tamaños mayores de un galón: UN1903, DESINFECTANTE, LÍQUIDO CORROSIVO, NOS (COMPUESTO DE AMONIO CUATERNARIO), 8, III.

TDG CANADIENSE: Producto no regulado. No disponible para la venta en Canadá.

Para los envíos internacionales de Air: NA

Para los envíos internacionales de Vessel: NA

## 15. INFORMACIÓN SOBRE REGLAMENTOS

TSCA: Todos los químicos de este producto están catalogados o están exentos de ser catalogados en el inventario químico de la Ley de Control de Sustancias Tóxicas (Toxic Substances Control Act, TSCA).

CEPA: Todos los químicos de este producto están catalogados o están exentos de ser catalogados en el DSL/NDSL canadiense.

Propuesta 65: Este producto Puede trazar de las sustancias químicas que, tras se sabe que el estado de California debido a un cáncer, defectos de nacimiento u otros daños reproductivos. El cloruro de bencilo 100-44-7 <100 ppm

SARA 313: Este producto no contiene sustancias tóxicas sujetas a los requisitos de información del Artículo 313 de la ley de 1986 (40 CFR 372.65) de Planeamiento anteemergencias y Derecho a Estar Informado de la Comunidad.

CLASIFICACIÓN HMIS: SALUD = 3 INFLAMABILIDAD = 0 REACTIVIDAD = 0 EQUIPO DE PROTECCIÓN PERSONAL = D

CLASIFICACIÓN WHMIS: No disponible para la venta en Canadá

## 16. OTRA INFORMACIÓN

NA = No disponible o No se aplica

NE = No se ha establecido

Antes de utilizar este producto, lea y obedezca todas las instrucciones y precauciones. Este producto fue formulado para utilizarse únicamente en el ámbito industrial e institucional. NO ES PARA REVENTA NI PARA USO EN EL ÁMBITO HOGAREÑO. MANTENGA FUERA DEL ALCANCE DE LOS NIÑOS. Si bien se considera que los datos contenidos en esta planilla son correctos y las opiniones expresadas son las de calificados expertos, los datos no deberán considerarse como garantía ni como declaración por las que la compañía asume responsabilidad legal alguna. Estos datos se brindan sólo para evaluación, investigación y verificación por parte del cliente. El usuario es quien deberá determinar si cualquier uso que se dé a estos datos e información está de acuerdo con las leyes y reglamentos federales, estatales y locales aplicables.

INFORMACIÓN DE SEGURIDAD Y SALUD: (216) 861-7114

Preparado Encendido: 12/01/2015

Reemplaza: 10/01/2014



**90100372**

**NDC Neutral  
Disinfectant  
(CAFÉ use only)**



# SAFETY DATA SHEET

## State Industrial Products

5915 Landerbrook Drive  
Mayfield Heights, OH 44124  
To Order Call: 1-866-747-2229

6935 Davand Drive  
Mississauga, Ontario L5T 1L5  
To Order Call: 1-800-668-6513

Royal Industrial Park, Bldg "M"  
Local #5, Carr 869, km 1.5 Palmas  
Catania, P.R. 00962  
To Order Call: 787-275-3185



## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: NDC MORNING FRESH DISINFECTANT CLEANER  
Product Description: A formulated cleaner, disinfectant, detergent, fungicide, virucide and mildewstat.  
EPA Registration Number: 1839-169-70799 DIN 02245816

24 Hour Emergency CHEMTREC Number: 800-424-9300  
MSDS Number: 700467

EPA Establishment Number: 70799-OH-2

## 2. HAZARDS IDENTIFICATION

### \*\*\*EMERGENCY OVERVIEW\*\*\*

#### FIFRA Hazard Classification:

DANGER: KEEP OUT OF REACH OF CHILDREN. CORROSIVE. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin or on clothing. May be fatal if absorbed through the skin. Harmful if swallowed. Wear goggles or face shield, rubber gloves, and protective clothing. Remove contaminated clothing and wash clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco.

Skin corrosion/irritation: Category 1A, B, C

Acute toxicity; inhalation: Category 4

Acute toxicity; oral: Category 4

Corrosive to metals: Category 1



Corrosive

Exclamation  
Mark

### DANGER

#### Hazard Statements:

H314 Causes severe skin burns and eye damage. H332 Harmful if inhaled. H302 Harmful if swallowed. H290 May be corrosive to metals.

#### Precautionary Statements:

P261 Avoid breathing vapors. P270 Do not eat, drink or smoke when using this product. P234 Keep only in original container. P271 Use only outdoors or in a well-ventilated area. P264 Wash hands thoroughly after handling. P280 Wear protective gloves, protective clothing, and eye protection.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Ingredients</u>	<u>CAS Number</u>	<u>Weight</u>	<u>ACGIH</u>	<u>OSHA</u>
Octyl Decyl Dimethyl Ammonium Chloride	68424-95-3	1.63%	NE	NE
Dioctyl Dimethyl Ammonium Chloride	5538-94-3	0.81%	NE	NE
Didecyl Dimethyl Ammonium Chloride	7173-51-5	0.81%	NE	NE
Alkyl (C14, 50%; C12, 40%; C16, 10%) Dimethyl Benzyl Ammonium Chloride	68424-85-1	2.17%	NE	NE
Linear Alcohol Ethoxylates	34398-01-1	<3.0%	NE	NE
Ethylenediamine Tetraacetic Acid	64-02-8	<2.0%	2 mg/m3 (ceiling)	2 mg/m3 (ceiling)
Ethanol	64-17-5	<5.0%	1000 ppm	1000 ppm

## 4. FIRST AID MEASURES

P390 Absorb spillage to prevent material damage. P312 Call a POISON CENTER or physician if you feel unwell. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P332+P313 IF SKIN irritation occurs: Get medical attention. P301+P312 IF SWALLOWED: call a POISON CENTER or physician if you feel unwell. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

## 5. FIRE FIGHTING MEASURES

Flashpoint(Method): >200°F [93°C]

Lower Explosive Limit(LEL): NA Upper Explosive Limit(UEL): NA Autoignition Temperature: NA

Flammable Properties: None Expected

Extinguishing Media: Carbon Dioxide, dry chemical, foam.

Fire Fighting Instructions: Wear self-contained breathing apparatus and full protective clothing. Contains oil, water is not effective in fire fighting. Water may be used to cool closed containers to prevent possible explosive when exposed to extreme heat.

## 6. ACCIDENTAL RELEASE MEASURES

Ventilate area. Halt spill at source, dike and contain spill. Flush with plenty of water to drain. Dispose of in accordance with Federal, State and Local Regulations regarding waste disposal.

## 7. HANDLING AND STORAGE

P406 Store in corrosive resistant container with a resistant inner liner. P402 Store in dry place. P405 Store locked up.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use general or local ventilation to keep exposure levels below exposure limits.

Personal Protective Equipment: Personal Protective Equipment: Respiratory: Use respirable fume respirator or air supplied respirator when soldering in confined space or where local exhaust or ventilation does not keep exposure

Respiratory: Normal room ventilation is adequate. Use a NIOSH/MHSA approved respirator if exposure limits are exceeded.

Eye: Wear approved safety glasses or goggles with unperforated eyeshields where splashing may occur.

Skin: For repeated or prolonged contact, wear chemically impervious gloves such as Nitrile.

Other: An emergency eyewash station or source of clean potable water should be available in case of accidental eye contact.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, greenish blue.

Physical State: Liquid.

Solubility in Water: 100%

Boiling Point: >212 °F[100°C)

Freezing Point: NA

Melting Point: NA

Odor: Fragranced.

pH: 6.4 +/- 0.4

Diluted pH: NA

Specific Gravity: 1.010 +/- 0.010

VOC Content: 0%

## 10. STABILITY AND REACTIVITY

Stability: Stable

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Do not mix with any other chemicals.

Incompatibility: Nitrous oxides, ammoniacal vapors.

Hazardous Decomposition Products: Carbon Dioxide, Carbon Monoxide

## 11. TOXICOLOGICAL INFORMATION

This product contains no ingredient at 0.1% or greater that is listed as a human carcinogen.

<u>Hazardous Ingredients</u>	<u>CAS Number</u>	<u>LD50</u>	<u>LC50</u>
Octyl Decyl Dimethyl Ammonium Chloride	68424-95-3	NE	NE
Dioctyl Dimethyl Ammonium Chloride	5538-94-3	NE	NE
Didecyl Dimethyl Ammonium Chloride	7173-51-5	NE	NE
Alkyl (C14, 50%; C12, 40%; C16, 10%) Dimethyl Benzyl Ammonium Chloride	68424-85-1	426 mg/kg (oral rat)	NE
Linear Alcohol Ethoxylates	34398-01-1	0.7-1.7 g/kg (oral rat)	NE
Ethylenediamine Tetraacetic Acid	64-02-8	3030 mg/kg (oral rat)	48000 ppm/<4 hr (rat)
Ethanol	64-17-5	13.7 mg/Kg (rat oral)	14.2 g/L 96 hour (fathead minnows)

## 12. ECOLOGICAL INFORMATION

This product is toxic to fish.

## 13. DISPOSAL CONSIDERATIONS

P501 Dispose of container in accordance with all Federal, State and Local Regulations regarding waste disposal.

## 14. TRANSPORT INFORMATION

DOT Shipping Data: Not Regulated

Canadian TDG: Not Regulated

For International Shipments by Air: NA

For International Shipments by Vessel: NA

## 15. REGULATORY INFORMATION

TSCA: All ingredients in this product are listed or exempt from listing on the TSCA Chemical Inventory.

CEPA: All ingredients in this product are listed or exempt from listing on the Canadian DSL/NDL.

Proposition 65: This product contains no listed substances known to the State of California to cause cancer, birth defects or reproductive harm, at reportable levels under the statute.

SARA 313: This product contains no toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40CFR372).

VOC: 0%

HMIS RATING: HEALTH = 1 FLAMMABILITY = 0 REACTIVITY = 0 PPE = B

WHMIS RATING: Not regulated by WHMIS

## 16. OTHER INFORMATION

NA = Not Available or Not Applicable

NE = Not Established

Read and follow all label directions and precautions before using the product. This product is intended for industrial and institutional use only. NOT FOR HOUSEHOLD USE OR RESALE. KEEP OUT OF THE REACH OF CHILDREN. While we believe that the data contained herein is factual and the opinions expressed are those of qualified experts, the data are not to be taken as a warranty or representation for which the company assumes legal responsibility. They are offered solely for your consideration, investigation, and verification. Any use of these data and information must be determined by the user to be in accordance with applicable Federal, State, and Local Laws and regulations.

# FICHE SIGNALÉTIQUE DE SÉCURITÉ

## State Industrial Products

5915 Landerbrook Drive  
Mayfield Heights, OH 44124  
To Order Call: 1-866-747-2229

6935 Davand Drive  
Mississauga, Ontario L5T 1L5  
To Order Call: 1-800-668-6513

Royal Industrial Park, Bldg "M"  
Local #5, Carr 869, km 1.5 Palmas  
Cataño, PR. 00962  
To Order Call: 787-275-3185



## 1. IDENTIFICATION DU PRODUIT CHIMIQUE ET DE LA SOCIÉTÉ

Nom du produit : NDC MORNING FRESH DISINFECTANT CLEANER  
Description du produit : produit nettoyant, désinfectant, détergent, fongicide,  
virucide et antimoisissure  
EPA Registration Number : 1839-169-70799 DIN 02245816

Numéro d'urgence CHEMTREC 24 h/24 : 800-424-9300  
Numéro de la fiche signalétique de produit : 700467

EPA Establishment Number : 70799-OH-2

## 2. IDENTIFICATION DES DANGERS

\*\*\*VUE GÉNÉRALE D'URGENCE\*\*\*



Corrosif

Point  
d'exclamation

DANGER

Mention de danger:

H314 Provoque des brûlures de la peau et des lésions oculaires graves. H332 Nocif par inhalation. H302 Nocif en cas d'ingestion. H290 Peut être corrosif pour les métaux.

Conseils de prudence:

P261 Éviter de respirer les vapeurs. P270 Ne pas manger, boire ou fumer en manipulant ce produit. P234 Conserver uniquement dans le récipient d'origine.  
P271 Utiliser seulement en plein air ou dans un endroit bien ventilé. P264 Se laver soigneusement la peau après manutention. P280 Porter des gants de protection, des vêtements de protection, une protection oculaire.

## 3. COMPOSITION/INFORMATION SUR LES INGRÉDIENTS

Ingrédients dangereux	Numéro CAS	Poids	ACGIH	OSHA
Octyl Decyl Dimethyl	68424-95-3	1.63%	NE	NE
Ammonium Chloride				
Dioctyl diméthyle chlorure d'ammonium	5538-94-3	0.81%	NE	NE
Didecyl Dimethyl Ammonium Chloride	7173-51-5	0.81%	NE	NE
	68424-85-1	2.17%	NE	NE
L'Alcool Linéaire Éthoxylate	34398-01-1	<3.0%	NE	NE
EDTA, Sel Tétrasodique	64-02-8	<2.0%	2 mg/m3 (ceiling)	2 mg/m3 (ceiling)
Éthanol	64-17-5	<5.0%	1000 ppm	1000 ppm

## 4. PREMIERS SOINS

P390 Absorber toute substance répandue pour éviter qu'elle attaque les matériaux environnants. P312 Appeler un CENTRE ANTIPOISON ou un médecin en cas de malaise. P305+P351+P338 EN CAS DE CONTACT AVEC LES YEUX: rincer avec précaution à l'eau pendant plusieurs minutes. Enlever les lentilles de contact si la victime en porte et si elles peuvent être facilement enlevées. Continuer à rincer. P304+P340 EN CAS D'INHALATION: Transporter la victime à l'extérieur et la maintenir au repos dans une position où elle peut confortablement respirer. P302+P352 EN CAS DE CONTACT AVEC LA PEAU: laver abondamment à l'eau et au savon. P332+P313 En cas d'irritation cutanée: consulter un médecin. P301+P312 EN CAS D'INGESTION: Appeler un CENTRE ANTIPOISON ou un médecin en cas de malaise. P301+P330+P331 EN CAS D'INGESTION: Rincer la bouche. NE PAS faire vomir.

## 5. EN CAS D'INCENDIE

Point d'éclair : >200°F [93°C]

Limite d'explosivité inférieure (LIE) : NA Limite d'explosivité supérieure (LSE) : NA

Température d'auto-inflammation : NA

Propriétés d'inflammabilité : aucune présumée

Moyens d'extinction : Dioxyde de carbone, poudre chimique, mousse extinctrice.

Lutte contre l'incendie : Porter un appareil respiratoire autonome et une tenue protectrice intégrale. Contient de l'huile, l'eau n'est pas un moyen d'extinction efficace. Utiliser de l'eau pour rafraîchir les récipients hermétiques exposés à une chaleur extrême pour écarter les risques d'explosion.

## 6. ÉMISSIONS ACCIDENTELLES

Ventiler la zone. Interrompre le déversement à la source, l'endiguer et le contenir. Évacuer à grande eau. Éliminer conformément aux réglementations fédérale, provinciale et locale en vigueur en matière d'élimination des déchets

## 7. MANIPULATION ET CONSERVATION

P406 Entreposer dans un contenant résistant à la corrosion muni d'un revêtement intérieur non corrosif. P402 Stocker dans un endroit sec. P405 Entreposer dans un endroit verrouillé.

## 8. EXPOSITION/PROTECTION INDIVIDUELLE

Moyens techniques : Assurer une ventilation forcée adéquate pour maintenir l'exposition en deçà de la valeur limite d'exposition.

Équipement de protection individuelle : Équipement de protection individuelle : Équipement de protection individuelle : respiratoire : Utiliser un appareil respiratoire pour vapeurs inhalables ou un appareil respiratoire à adduction d'air pour souder dans les espaces fermés ou dans les endroits où l'aspiration ou la

ventilation locales ne suffisent pas à maintenir l'exposition en dessous de son seuil limite admissible.

Respiratoire : La ventilation normale est suffisante. Si les limites d'exposition sont dépassées, utiliser un appareil respiratoire agréé NIOSH/MSHA.

Oculaire : Porter des lunettes de protection homologuées munies d'écrans latéraux non perforés.

Cutanée : En cas de contact répété ou prolongé, porter des gants de protection chimique.

Autre : Un bassin oculaire d'urgence ou une source d'eau potable propre devrait être prêt à être utilisé en cas de contact oculaire accidentel.

## 9. PROPRIÉTÉS PHYSIQUES ET CHIMIQUES

Aspect : Effacer, bleu verdâtre.

État de la matière : Liquide

Solubilité dans l'eau : 100%

Contenu de VOC : 0%

Odeur : Parfumé

Concentrer pH : 6.4 +/- 0.4

Dilué pH : NA

Densité : 8.38 lbs/gal.

Point de congélation/fusion : NA / NA

## 10. STABILITÉ ET RÉACTIVITÉ

Stabilité : Stable

Polymérisation dangereuse : Ne se produira pas.

Conditions à éviter : Ne pas mélanger avec d'autres produits chimiques.

Incompatibilité : Oxydes d'azote, les vapeurs ammoniacales.

Produits de décomposition dangereuse : Monoxyde de carbone, dioxyde de carbone.

## 11. INFORMATIONS TOXICOLOGIQUES

Ce produit ne contient aucun ingrédient déclaré cancérigène humain à des teneurs supérieures ou égales à 0,1 %.

<u>Ingrédients dangereux</u>	<u>Numéro CAS</u>	<u>LD50</u>	<u>LC50</u>
Octyl Decyl Dimethyl Ammonium Chloride	68424-95-3	NE	NE
Dioctyl diméthyle chlorure d'ammonium	5538-94-3	NE	NE
Didecyl Dimethyl Ammonium Chloride	7173-51-5	NE	NE
	68424-85-1	426 mg/kg (oral rat)	NE
L'Alcool Linéaire Éthoxylate	34398-01-1	0.7-1.7 g/kg (oral rat)	NE
EDTA, Sel Tétrasodique	64-02-8	3030 mg/kg (oral rat)	48000 ppm/<4 hr (rat)
Éthanol	64-17-5	13.7 mg/Kg (rat oral)	14.2 g/L 96 hour (flathead minnows)

## 12. INFORMATIONS ÉCOLOGIQUES

Ce produit est toxique pour les poissons.

## 13. DESTRUCTION

P501 Éliminer le contenant conformément à tous les règlements fédéraux, d'État et locales en matière d'élimination des déchets.

## 14. TRANSPORT

INFORMATION DE TRANSPORT D.O.T. : non réglementé.

TMD AU CANADA : non réglementé.

Pour les expéditions internationales par Air : NA

Pour les expéditions internationales par Vessel : NA

## 15. INFORMATIONS RÉGLEMENTAIRES

TSCA : Tous les ingrédients contenus dans ce produit figurent ou sont exempts de figurer sur l'inventaire du TSCA.

CEPA : Tous les ingrédients contenus dans ce produit figurent ou sont exempts de figurer sur la LIS et la LES (Canada).

Proposition 65 : Ce produit ne contient aucune substance chimique reconnus dans l'État de Californie pour causer le cancer, des malformations congénitales ou d'autres problèmes de reproduction.

SARA 313 : Ne produit ne contient aucune substance chimique toxique devant être déclarée aux termes de la section 313 de la loi Emergency Planning and Community Right-To-Know Act de 1986 (40 CFR 372.65C).

CLASSIFICATION HMIS : SANTÉ = 1 INFLAMMABILITÉ = 0 RÉACTIVITÉ = 0 EPS = B

CLASSIFICATION SIMDUT : Non réglementé par le WHIMS

## 16. AUTRES INFORMATIONS

néant = Non disponible ou sans objet

n.e. = Non établi

Lire et suivre toutes les instructions et les précautions d'emploi figurant sur l'étiquette avant d'utiliser le produit. Ces produits sont réservés uniquement à l'usage industriel et par les collectivités. CES PRODUITS NE SONT PAS DESTINÉS À L'USAGE DOMESTIQUE OU À LA REVENTE. GARDER HORS DE LA PORTÉE DES ENFANTS. Bien qu'à notre avis les informations énoncées ci-dessus soient réelles et que le jugement exprimé soit celui d'experts qualifiés, elles ne doivent pas être considérées comme une garantie ou une déclaration pour lesquelles la société assume une responsabilité légale. Ces informations sont données uniquement pour examen, investigation et vérification. L'utilisation des ces informations doit être déterminée par l'utilisateur conformément à la réglementation et à la loi fédérales, d'État et régionales applicables.

INFORMATIONS SUR LA SANTÉ ET LA SÉCURITÉ : (216) 861-7114

Date de Préparation: 08/11/2015 Remplace : 05/01/2014



# PLANILLA DE DATOS DE SEGURIDAD

## State Industrial Products

5915 Landerbrook Drive  
Mayfield Heights, OH 44124  
To Order Call: 1-866-747-2229

6935 Davand Drive  
Mississauga, Ontario L5T 1L5  
To Order Call: 1-800-668-6513

Royal Industrial Park, Bldg "M"  
Local #5, Carr 869, km 1.5 Palmas  
Cataño, P.R. 00962  
To Order Call: 787-275-3185



## 1. PRODUCTO QUÍMICO Y DATOS DE LA COMPAÑÍA

Nombre del producto: NDC MORNING FRESH DISINFECTANT CLEANER  
Descripción del producto: Agente de limpieza, desinfectante, detergente,  
fungicida, virucida y mildustático.  
EPA Registration Number: 1839-169-70799 DIN 02245816

Núm. CHEMTREC las 24 horas: 800-424-9300  
Número MSDS: 700467

EPA Establishment Number: 70799-OH-2

## 2. ENUMERACIÓN DE PELIGROS

### \*\*\*DESCRIPCIÓN GENERAL DE LAS SITUACIONES DE EMERGENCIA\*\*\*



Corrosivo

Signo de  
exclamación

### PELIGRO

H314 Provoca quemaduras graves en la piel y lesiones oculares graves. H332 Nocivo en caso de inhalación. H302 Nocivo en caso de ingestión. H290 Puede ser corrosivo para los metales.

P261 Evitar respirar humo. P270 No comer, beber ni fumar durante su utilización. P234 Mantener en el recipiente original. P271 Utilizar únicamente en exteriores o en un lugar bien ventilado. P264 Lavar la piel meticulosamente después de la manipulación. P280 Llevar guantes protectores, ropa protectora, protección en los ojos.

## 3. COMPOSICIÓN/INFORMACIÓN SOBRE LOS COMPONENTES

Componentes peligrosos	Número CAS	Peso	ACGIH	OSHA
Cloruro de octil decil dimetil amonio	68424-95-3	1.63%	NE	NE
Cloruro de Amonio Dimethyl de Didecyl	5538-94-3	0.81%	NE	NE
Cloruro de Amonio Dimethyl Dioctyl	7173-51-5	0.81%	NE	NE
Alquilo (C14, 50%; C12, 40%; C16, 10%) Cloruro de Amonio Bencilico Dimethyl).	68424-85-1	2.17%	NE	NE
l'Alcool Linéaire Éthoxylate	34398-01-1	<3.0%	NE	NE
EDTA de Tetrasodio	64-02-8	<2.0%	2 mg/m3 (ceiling)	2 mg/m3 (ceiling)
Etanol	64-17-5	<5.0%	1000 ppm	1000 ppm

..

## 4. MEDIDAS DE PRIMEROS AUXILIOS

P390 Absorber el vertido para que no dañe otros materiales. P312 Llamar a un CENTRO DE INFORMACION TOXICOLOGICA o a un médico en caso de malestar. P305+P351+P338 EN CASO DE CONTACTO CON LOS OJOS: Aclarar cuidadosamente con agua durante varios minutos. Quitar las lentes de contacto, si lleva y resulta fácil. Seguir aclarando. P304+P340 EN CASO DE INHALACIÓN: Lleve a la víctima al aire fresco y Mantenga descansando en una posición cómoda para respirar. P302+P352 EN CASO DE CONTACTO CON LA PIEL: Lavar con agua y jabón abundantes. P332+P313 En caso de irritación cutánea: Consultar a un médico. P301+P312 EN CASO DE INGESTIÓN: llamar a un CENTRO DE TOXICOLOGÍA o médico SI se siente indispuerto. P301+P330+P331 EN CASO DE INGESTIÓN: Limpie la boca. NO provoque el vómito.

## 5. MEDIDAS PARA COMBATIR INCENDIOS

Pto. inflamabilidad: >200°F [93°C]

Límite explosivo inferior (LEL): NA Límite explosivo superior (UEL): NA Temperatura de autoignición: NA

Inflamabilidad: No se espera ninguna.

Medio extinguidor: Dióxido de carbono, productos químicos en polvo, espuma.

Instrucciones para combatir el fuego: Use un aparato autónomo para respirar e indumentaria de protección. Por contener aceite, el agua no resultará eficaz para combatir incendios. Puede usarse agua para enfriar los recipientes cerrados y evitar una posible explosión si éstos estuvieran expuestos a calor extremo.

## 6. MEDIDAS EN CASO DE DERRAME ACCIDENTAL

Ventile el área. Coloque una barrera física y contenga el derrame en el propio sitio de origen. Limpie el derrame con agua en abundancia y vierta todo por el drenaje. Obedezca todos los reglamentos federales, estatales y locales relativos a la disposición final de residuos.

## 7. MANIPULACIÓN Y ALMACENAMIENTO

P406 Almacenar en resistente al corrosivo contáiner con una línea interna resistente. P402 Almacenar en un lugar seco. P405 Almacenar bajo llave.

## 8. CONTROL DE EXPOSICIÓN/PROTECCIÓN PERSONAL

Controles de ingeniería: Proveer suficiente ventilación mecánica para mantener la exposición por debajo del límite de concentración máxima (Threshold Limit Value, TLV).

Equipo de protección personal: Equipo de protección personal: Equipo de protección personal: Respiratorio: Cuando suelde en recintos pequeños o cuando la ventilación local no mantenga la exposición por debajo del TLV, utilice una mascarilla que proteja contra las emanaciones o un respirador con suministro de oxígeno.

Respiratorio: Si el límite de exposición en el lugar de trabajo es excedido, se aconseja el uso de un respirador de aire ante la ausencia de control ambiental.  
Ojos: Use gafas protectoras o gafas con protección lateral sin perforaciones aprobadas.  
Piel: Si el contacto fuera prolongado o repetido, use guantes resistentes a productos químicos.  
Otros: Una estación de lavados de emergencia o una fuente de agua potable limpia debe estar disponible en caso de contacto accidental con los ojos.

## 9. PROPIEDADES FÍSICAS Y QUÍMICAS

Aspecto: Claro, azul verdoso.  
Estado de agregación: Líquido  
Solubilidad en agua: 100%  
Contenido de VOC: 0%

Olor: Fragancia  
Concentrarse pH: 6.4 +/- 0.4  
Diluido pH: NA  
Peso específico: 1.010 +/- 0.010  
Punto de congelación/fusión: NA / NA

## 10. ESTABILIDAD Y REACTIVIDAD

Estabilidad: Estable  
Polimerización peligrosa: No ocurrirá.  
Condiciones a evitar: No mezcle con otros productos químicos.  
Incompatibilidad: Los óxidos de nitrógeno, vapores amoniacales.  
Productos de descomposición peligrosos: Monóxido de carbono, Dióxido de carbono.

## 11. INFORMACIÓN TOXICOLÓGICA

Este producto no contiene ningún componente en 0.1% o más del que se señale como un carcinógeno humano.

<u>Componentes peligrosos</u>	<u>Número CAS</u>	<u>LD50</u>	<u>LC50</u>
Cloruro de octil decil dimetil amonio	68424-95-3	NE	NE
Cloruro de Amonio Dimethyl de Didecyl	5538-94-3	NE	NE
Cloruro de Amonio Dimethyl Dioctyl	7173-51-5	NE	NE
Alquilo (C14, 50%; C12, 40%; C16, 10%) Cloruro de Amonio Bencílico Dimethyl).	68424-85-1	426 mg/kg (oral rat)	NE
L'Alcool Linéaire Éthoxylate	34398-01-1	0.7-1.7 g/kg (oral rat)	NE
EDTA de Tetrasodio	64-02-8	3030 mg/kg (oral rat)	48000 ppm/<4 hr (rat)
Etanol	64-17-5	13.7 mg/Kg (rat oral)	14.2 g/L 96 hour (flathead minnows)

## 12. INFORMACIÓN ECOLÓGICA

Este producto es tóxico para los peces.

## 13. SUGERENCIAS PARA SU DISPOSICIÓN FINAL

P501 Elimine el recipiente en conformidad con todas las regulaciones federales, estatales y locales relacionadas con la eliminación de residuos.

## 14. INFORMACIÓN SOBRE TRANSPORTE

DATOS DE EMBARQUE SEGÚN EL DOT (Ministerio de Transporte de los EE.UU.): No se ha regulado.

TDG CANADIENSE: Producto no regulado. No se ha regulado.

Para los envíos internacionales de Air: NA

Para los envíos internacionales de Vessel: NA

## 15. INFORMACIÓN SOBRE REGLAMENTOS

TSCA: Todos los químicos de este producto están catalogados o están exentos de ser catalogados en el inventario químico de la Ley de Control de Sustancias Tóxicas (Toxic Substances Control Act, TSCA).

CEPA: Todos los químicos de este producto están catalogados o están exentos de ser catalogados en el DSL/NDSL canadiense.

Propuesta 65: Este producto no contiene sustancias registradas en el Estado de California como causante de cáncer, defectos de nacimiento u otros daños reproductivos.

SARA 313: Este producto no contiene sustancias tóxicas sujetas a los requisitos de información del Artículo 313 de la ley de 1986 (40 CFR 372.65) de Planeamiento anteemergencias y Derecho a Estar Informado de la Comunidad.

CLASIFICACIÓN HMIS: SALUD = 1 INFLAMABILIDAD = 0 REACTIVIDAD = 0 EQUIPO DE PROTECCIÓN PERSONAL = B

CLASIFICACIÓN WHMIS: No regulado por WHMIS

## 16. OTRA INFORMACIÓN

NA = No disponible o No se aplica

NE = No se ha establecido

Antes de utilizar este producto, lea y obedezca todas las instrucciones y precauciones. Este producto fue formulado para utilizarse únicamente en el ámbito industrial e institucional. NO ES PARA REVENTA NI PARA USO EN EL ÁMBITO HOGAREÑO. MANTENGA FUERA DEL ALCANCE DE LOS NIÑOS. Si bien se considera que los datos contenidos en esta planilla son correctos y las opiniones expresadas son las de calificados expertos, los datos no deberán considerarse como garantía ni como declaración por las que la compañía asume responsabilidad legal alguna. Estos datos se brindan sólo para evaluación, investigación y verificación por parte del cliente. El usuario es quien deberá determinar si cualquier uso que se dé a estos datos e información está de acuerdo con las leyes y reglamentos federales, estatales y locales aplicables.

INFORMACIÓN DE SEGURIDAD Y SALUD: (216) 861-7114

Preparado Encendido: 08/11/2015

Reemplaza: 05/01/2014

90030580

**Bleach**



# Safety Data Sheet

James Austin Company

## Austin's A-1 Bleach

SDS Number: 10

Revision Date: 5/28/2015

Page 1 of 6

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### PRODUCT AND COMPANY IDENTIFICATION

#### Manufacturer

James Austin Company  
115 Downieville Road  
PO Box 827  
Mars, PA 16046

Phone: 724-625-1535  
Fax: 724-625-3288  
Web: [www.jamesaustin.com](http://www.jamesaustin.com)

Product Name: Austin's A-1 Bleach  
Revision Date: 5/28/2015  
Version: 1  
SDS Number: 10  
Common Name: Sodium Hypochlorite  
CAS Number: 7681-52-9  
Product Code: 54200-00039  
EPA Number: 1672-20004  
RCRA Number: D002 (For pH greater than 12.50)  
Chemical Formula: NaOCl  
Synonyms: Bleach, Liquid Bleach, Soda Bleach  
Internal ID: 90000360, 9000361, 90041000

Emergency phone number: CHEMTREC

US: 1-800-424-9300

Canada: 1-800-567-7455

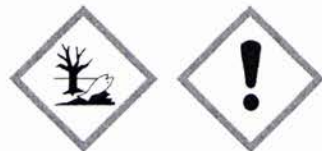
Poison Control Center: 1-800-222-1222

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### HAZARDS IDENTIFICATION

GHS Signal Word:  
WARNING

GHS Hazard Pictograms:



GHS Classifications:

Health, Skin corrosion/irritation, 3  
Health, Specific target organ toxicity - Single exposure, 3  
Environmental, Hazards to the aquatic environment - Acute, 1  
Environmental, Hazards to the aquatic environment - Chronic, 4  
Health, Serious Eye Damage/Eye Irritation, 2 B

GHS Phrases:

H316 - Causes mild skin irritation





# Safety Data Sheet

James Austin Company

## Austin's A-1 Bleach

SDS Number: 10

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H335 - May cause respiratory irritation  
H400 - Very toxic to aquatic life  
H413 - May cause long lasting harmful effects to aquatic life  
H320 - Causes eye irritation

### GHS Precautionary Statements:

P220 - Keep/Store away from clothing/combustible materials.  
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.  
P264 - Wash exposed skin thoroughly after handling.  
P262 - Do not get in eyes, on skin, or on clothing.  
P270 - Do not eat, drink or smoke when using this product.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P273 - Avoid release to the environment.  
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.  
P303+361+353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304+341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do.

Continue rinsing.

P309+311 - IF exposed or you feel unwell: Call a POISON CENTER or doctor/physician.  
P401 - Store upright in a cool, dry place.  
P501 - Dispose of contents/container to an approved waste disposal plant.

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## COMPOSITION/INFORMATION ON INGREDIENTS

### Ingredients:

Cas #	Percentage	Chemical Name
7681-52-9	5.25-5.40%	Sodium hypochlorite
7732-18-5	94.60-94.75%	Water

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## FIRST AID MEASURES

**Inhalation:** In the event of exposure to excessive vapor levels, move the individual to fresh air and seek medical attention if symptoms develop or persist.

**Skin Contact:** Immediately rinse with plenty of water while removing any contaminated clothing. If irritation develops or persists, seek medical attention. Wash contaminated clothing before reuse.

**Eye Contact:** Rinse immediately with plenty of water. Keep eye(s) wide open while rinsing. Avoid rubbing the affected area. Seek medical attention if needed.

**Ingestion:** Do NOT induce vomiting. Rinse mouth thoroughly with water. Drink plenty of water. Call a physician or poison control center.

### NOTE TO PHYSICIAN:

Probable mucosal damage may contraindicate the use of gastric lavage.



# Safety Data Sheet

James Austin Company

## Austin's A-1 Bleach

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### FIRE FIGHTING MEASURES

**Flammability:** Not flammable  
**Flash Point:** No information available  
**Flash Point Method:** No information available  
**Burning Rate:** No information available  
**Autoignition Temp:** No information available  
**LEL:** No information available  
**UEL:** No information available

Highly exothermic reactions with organic materials and oxidizable materials may cause fires.

In the event of a fire, wear full protective clothing and MSHA/NIOSH self-contained breathing apparatus with a full facepiece operated in the pressure-demand or other positive pressure mode.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment; Water spray may be used to keep fire exposed containers cool.

6

### ACCIDENTAL RELEASE MEASURES

Use personal protective equipment as required/recommended. Evacuate public to a safe area. Avoid contact with skin, eyes, and clothing.

Prevent spills from entering sewers or waterways. Contain run-off using diking composed of a suitable material. Soak up liquid on inert absorbant and transfer to an approved container. Clean contaminated surface thoroughly.

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### HANDLING AND STORAGE

**Handling Precautions:** Use personal protective equipment as required/recommended. Use only with adequate ventilation. Avoid contact with skin, eyes, and clothing. Use suitable respiratory equipment in case of inadequate ventilation.

**Storage Requirements:** Store using properly labeled containers in a cool, dry, well ventilated area. Keep out of reach of children. Separate from incompatible materials.

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### EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Use adequate ventilation, especially in confined spaces  
**Personal Protective Equip:** Chemical splash goggles; Face shield; Neoprene gloves; NIOSH approved respirator; Apron.



# Safety Data Sheet

James Austin Company

## Austin's A-1 Bleach

SDS Number: 10

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### PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear yellow  
**Physical State:** Liquid  
**Spec Grav./Density:** 1.070 - 1.080  
**pH:** 12-13

**Odor:** Pungent; Chlorine  
**Solubility:** Completely miscible in water

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### STABILITY AND REACTIVITY

**Stability:** The product is stable and non-reactive under normal conditions of use, storage and transport.  
**Conditions to Avoid:** Contact with incompatible materials. Excessive heat and exposure to light. Reacts violently with strong acids producing chlorine gas. Contact with amines will result in chloramines.  
**Materials to Avoid:** Strong oxidizing agents, acids, metals, organic compounds, ammonia. Oxidizable or combustible materials.  
**Hazardous Decomposition:** None under normal processing.  
**Hazardous Polymerization:** Will not occur.

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### TOXICOLOGICAL INFORMATION

#### Toxicity Data:

**Eye Effects:** Causes eye burns.  
**Skin Effects:** Causes skin burns.  
**Acute Inhalation Effects:** Vapors and mist may irritate throat and respiratory system; may cause coughing.  
**Chronic Effects:** Prolonged or repeated overexposure may cause lung damage.  
**Carcinogenicity:** Not a known carcinogen.  
**Mutagenicity:** Not Known.  
**Teratogenicity:** Not Known.

#### Acute Toxicity:

**Oral ( LD 50):** No data available

**Inhalation ( LC 50):** No data available

**Skin irritation:** Causes severe skin burns and eye damage

**Eye irritation:** Causes serious eye damage

**Sensitization:** No data available

**Chronic Toxicity:** IARC Group 3; Not classifiable as a human carcinogen



# Safety Data Sheet

James Austin Company

## Austin's A-1 Bleach

SDS Number: 10

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### ECOLOGICAL INFORMATION

This product is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a national pollutant discharge elimination system (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your state water board or regional office of the EPA.

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### DISPOSAL CONSIDERATIONS

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the EPA Regional Office for guidance.

Do not re-use or refill this container. Triple rinse container promptly after emptying.

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### TRANSPORT INFORMATION

DOT: Not regulated. Classified as non-hazardous.

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### REGULATORY INFORMATION

#### COMPONENT / (CAS/PERC) / CODES

\*Sodium hypochlorite (7681529 5.25-5.40%) CERCLA, CSWHS, MASS, PA, TSCA

\*Water (7732185 94.60-94.75%) TSCA

#### REGULATORY KEY DESCRIPTIONS

CERCLA = Superfund clean up substance  
CSWHS = Clean Water Act Hazardous substances  
MASS = MA Massachusetts Hazardous Substances List  
PA = PA Right-To-Know List of Hazardous Substances  
TSCA = Toxic Substances Control Act

OSHA = OSHA Workplace Air Contaminants  
TXAIR = TX Air Contaminants with Health Effects Screening Level

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

#### Precautionary Statements Hazards to Humans and Domestic Animals

#### DANGER

**CORROSIVE.** May cause severe skin and eye irritation or chemical burns to broken skin. Causes eye damage. Do not get in eyes, on skin or clothing.





# Safety Data Sheet

James Austin Company

## Austin's A-1 Bleach

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Wear safety glasses or goggles and rubber gloves when handling product. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Avoid breathing vapors. Vacate poorly ventilated areas as soon as possible. Do not return until strong odors have dissipated.

**Environmental Hazards:** This product is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a national pollutant discharge elimination system (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your state water board or regional office of the EPA.

**Physical or Chemical Hazards:** Strong oxidizing agent. Mix only with water according to label instructions. Never mix this product with other chemicals such as toilet bowl cleaners, acids, detergents, organic matter or products containing ammonia or vinegar. To do so will release a chlorine gas, which is irritating to eyes, lungs, and mucous membranes, and in some cases can be fatal.

**Additional Cautions:** Do not use on copper, aluminum, iron, silverware, antique porcelain, or other metal objects.

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### OTHER INFORMATION

**Author:** James Austin Company

**Publication Date:** 12/11/2014

**Revision Note:** MSDS converted to GHS SDS format

**Disclaimer:** James Austin Company provides this information without warranty. The information is believed to be accurate, but James Austin Company makes no representations as to its accuracy. The information should be used to make an independent determination and therefore, users are responsible to verify this data under their own operating conditions and methods. This information relates only to the product designated herein, and does not relate to its use in combination with other materials or processes.

## BLEACH SOLUTION

Center for Disease Control recommends bleach solution for environmental disinfection.

1. When using bleach and water in a 1:10 solution, the mixture needed is **1 part bleach and 10 parts water.**
2. Bleach should be mixed with **cool water.** Warm or hot water inactivates the basic ingredient, hypochlorite.
3. A mixed bleach/water solution must be made up fresh (no more than 24 hours old) in order to be effective.
4. It is recommended that a tightly sealed bottle containing 1 part bleach and having a marked water fill line be kept handy and out of direct light. When the solution is needed, it can be filled with cool water and is ready to use.
5. THE BOTTLE SHOULD BE CLEARLY LABELLED AND STORED IN A SECURE AREA.

**\*\*This is the disinfectant method that is currently recommended by CDC as being effective against both the HVI (AIDS) and Hepatitis B virus.**

**90032180**

**“Brillo”  
Soap Pads**



# MATERIAL SAFETY DATA SHEET

Item# S1012

## 1. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	%
Soap(68938-26-1)	40Max
Polyethylene Glycol 8000(25322-68-3)	0.12Max
Sodium Nitrite(7632-00-0)	0.36Max
Steel wool Ø0.19mm	59.8Max
pigment	0.04Max
Total	100%

## 2. HAZARDS IDENTIFICATION

**Emergency Overview:** steel wool soap pads. May cause mild or serious eye irritation. This product is intended for use as a hand cleanser and is expected to contact the skin. Prolonged skin contact may cause mild irritation in sensitive individuals.

**EU Classification (1999/45/EC):** R52/52

Medicinal and cosmetic products in the finished form, intended for the final user are not subject the Directive relating to the classification, packaging and labelling of dangerous preparations (1999/45/EC).

**US OSHA Classification (29CFR1910.1200):** Not Hazardous

**Canadian WHMIS Classification:** Not a controlled product.

None of the ingredients in this product is on the IARC, NTP, or OSHA carcinogen list.

## 3. FIRST AID MEASURES

**Inhalation:** Move to fresh air. Seek medical advice if cough, shortness of breath or other respiratory problems occur.

**Skin contact:** Wash off excess with water. This product is intended for use on the skin. Seek medical advice if redness, swelling, itching or burning occurs.

**Eye contact:** Rinse with plenty of water. Obtain medical attention if irritation persists.

**Ingestion:** Call a physician or Poison Control Centre immediately. If victim is conscious, rinse mouth with a small amount of water. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person.



#### 4. FIRE-FIGHTING MEASURES

Flashpoint: None.

Flammable Limits in Air % by Volume: None.

Suitable Extinguishing Media: Water, water fog, foam, carbon dioxide, dry chemical.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective suit.

Unusual Fire and Explosion Hazards: None expected.

Hazardous Combustion Products: Carbon monoxide, carbon dioxide. Oxides of sulfur.

#### 5. ACCIDENTAL RELEASE MEASURES

Clean up excess material and place in container for reclaim, recycle or disposal.

#### 6. HANDLING AND STORAGE

Avoid contact with eyes. Avoid prolonged contact with skin.

Avoid temperatures above 104°F (40°C). Do not freeze.

#### 7. EXPOSURE CONTROLS / PERSONAL PROTECTION

RESPIRATORY EQUIPMENT (SPECIFY TYPE)

none needed

EYE PROTECTION

Goggles

PROTECTIVE GLOVES

Rubber

OTHER PROTECTIVE CLOTHING

ENGINEERING CONTROLS (VENTILATION ETC.)

Local Exhaust: sufficient

Special:

Mechanical (Gen):

Other:

WORK/HYGIENIC/MAINTENANCE PRACTICES

Good practice requires that gross amounts of any chemical be removed from the skin as soon as practical, especially before eating or smoking.

#### 8. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Solid.

**Color:** Pink, Yellow, Green, Blue, White etc as requirement

**PH Value:** 8-10

**Solvency:** soap is completely soluble

**Melting Point:** N/A

**Boiling Point:** N/A

**Specific Gravity:** N/A

## 9. STABILITY AND REACTIVITY

**Stability:** Stable

**Conditions to Avoid:** None currently known.

**Materials to avoid:** Avoid strong mineral acids and strong oxidizers

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide. Oxides of sulfur.

**Hazardous Polymerization:** Does not occur.

## 10. TOXICOLOGICAL INFORMATION

**Symptoms/Effects of Overexposure:**

**Inhalation:** None expected.

**Skin contact:** Prolonged skin contact may cause mild irritation in sensitive individuals.

**Eye contact:** May cause mild irritation.

**Ingestion:** Not intended for ingestion, however, no unusual hazards expected.

**Chronic toxicity:** None currently known.

**Medical Conditions Aggravated by Exposure:** None currently known.

**Carcinogenicity Data:** None of the components of this product is listed as a carcinogen by IARC, NTP or OSHA.

**Reproductive Toxicity:** No adverse effects on reproduction are known.

**Acute Toxicity Values:** Product estimated oral toxicity = >5000 mg/kg

## 11. ECOLOGICAL INFORMATION

No information known other than those associated with suspended inert solids in water

## 12. DISPOSAL CONSIDERATIONS

Dispose in accordance with all state, local and federal regulations.

## 13. TRANSPORT INFORMATION

DOT/IMDG/IATA - Not restricted

TSCA Status : All components of this product are on the TSCA inventory.

EPA - SARA Title III/CERCLA : This product is regulated under Sections 311/312. This product contains sodium is regulated under Section 313 and Section 304/CERCLA and contains sodium hydroxide (CAS #1310-73-2, <0.5%) which is regulated under Section 304/CERCLA.

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## 14. REGULATORY INFORMATION

### US Regulations

**EPA Toxic Substances Control Act (TSCA):** All of the components of this product are listed on the TSCA Inventory or exempted from TSCA. This product contains isopropanol, which is subject to export notification under Section 12(b).

**SARA 302 Listed Chemicals:** None.

**SARA 311/312 Hazard Categories:** None.

**SARA 313 This Product Contains the Following Chemicals Subject to Annual Release Reporting Requirements Under the SARA Section 313 (40 CFR 372):** None.

**California Proposition 65:** This product does not contain chemicals listed per the Safe Drinking Water and Toxic Enforcement Act of 1986.

### International Regulations

**Canadian WHMIS Classification:** Not a controlled product.

**EU Labeling:** Medicinal and cosmetic products in the finished form, intended for the final user are not subject the Directive relating to the classification, packaging and labelling of dangerous preparations (1999/45/EC).

Other countries: Not a controlled product.

## 15. OTHER INFORMATION

The information contained herein is true and correct to the best of us([www.boomroad.cn](http://www.boomroad.cn))'s knowledge. However, no warranty, express or implied, is made. Nothing herein should be interpreted as a recommendation to infringe existing patents or violate any laws or regulations. Final determination of the suitability of the material is the sole responsibility of the user.

**90100380**

**H-Blast**  
**Germicide Cleaner**



# Material Safety Data Sheet

## Emergency Response

1-800-926-7627

## H&H Chemical Company

### Section 1 - Product and Company Identification

Product Name	087 H-Blast	Chemical Family	Not available.	NPCA Hazardous Material Identification System
Generic Description	Hospital Disinfectant Foaming Germicidal Cleaner	Formula	Not applicable.	Health 3
Supplier	H&H Chemical Company P.O. Box 7369 Lake Charles, LA 70606	Phone:	(337) 474-2775	Flammability 1
		Emergency phone:	1-800-926-7627	Physical Hazard 0

### Section 2-Ingredients:

Ingredient Name	CAS #	% by Weight	TLV/PEL	Carcinogenic Effects
1) Water	7732-18-5	0-100	Not available.	No
2) 2-Butoxyethanol	111-76-2	0-5	TWA: 25 (ppm) TWA: 50 (ppm) from OSHA (PEL)	NO
3) Sodium Metasilicate	6834-92-0	0-5	Not available.	NO
4) Tetrasodium salt of ethylenediaminetetraacetic acid	64-02-8	0-5	Not available.	NO
5) Diethylene Glycol Ethyl Ether	111-90-0	0-5	Not available.	Not available.
6) Nonionic Surfactant	127087-87-0	0-5	Not available.	Not available.
7) Sodium Nitrite	7632-00-0	0-5	Not available.	Not available.
8) Perfume Oil	N/A	0-5	Not available.	NO
9) Liquefied Petroleum Gas	68476-85-7	0-5	TWA: 1000 (ppm) TWA: 1000 (ppm) from OSHA (PEL)	NO
10) Quaternary Ammonium Chloride	68391-01-5	0.2	Not available.	Not available.

### Section 3-Physical and Chemical Properties

Boiling point	N/A	Specific Gravity	Not available.
Vapor Pressure	50 psig @ 68°F	Vapor density:	>1 (Air = 1)
Volatility	95	pH	12 to 12.8 (Basic.)
Solubility	Easily soluble in cold water.	Evaporation Rate	<1
Physical State and Appearance	Odor		

Color: Liquid. White. Pleasant.

### Section 5-Reactivity Data

Stability	The product is stable.
Incompatibility	None known.
Hazardous Decomposition Products	Not available.
Hazardous Polymerization	Will not occur.

### Section 4-Fire/Explosion Hazards

Flash points (closed cup)	Not available.	Explosion Limits
Extinguishing media	Water fog, dry chemical, CO <sub>2</sub> .	LOWER: 1.8% UPPER: 12%
Fire-Fighting Measures	Wear full protective clothing Use extinguishing media indicated.	
Explosion Hazards	Heated Cans May burst	

### Section 6-Storage

Precautions to be taken in handling and storage  
Do not ingest. Wash thoroughly after handling. Store and use away from heat, sparks, open flame, or any other ignition source.  
Keep out of the reach of children. Not for use or storage in or around the home.

### Section 7-Health Hazards/ FIRST AID

Chronic Effects: Repeated skin exposure can produce local skin destruction, or dermatitis.

#### ROUTES OF ENTRY

Skin	Skin irritant. Prolonged or repeated contact may cause dermatitis.
Eyes	Eye irritant. Liquid and mist may damage the eyes causing corneal injury.
Inhalation	Vapors may be irritating to mucous membranes of the nose, throat, and lungs.
Ingestion	May be irritating to the mouth, throat, and gastrointestinal system. Vomiting and diarrhea expected with large doses.

Medical Conditions aggravated by Exposure: Not Available.

#### FIRST AID MEASURES

Remove contaminated clothing and shoes. Rinse skin with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for further treatment advice.  
Hold eye open and rinse slowly and thoroughly with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.  
Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible. Call a poison control center or doctor for further treatment advice.  
Call a poison control center immediately for treatment advice. Have person sip a glass of water if able to swallow. Do NOT induce vomiting unless instructed to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

### Section 8- Personal Protection

Protective Clothing	Ventilation
Eye/Face Protection: Safety glasses.	Good general ventilation should be sufficient to control airborne levels.
Hand/Arm Protection: Gloves.	
Respiratory Protection: No special recommendations.	
Other Special Considerations: Not applicable.	

### Section 9-Large Spill and Leak

#### Methods for cleaning up Spill

Absorb with an inert material and put the spilled material in an appropriate waste disposal.

SARA 313

#### Methods of disposal

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

SARA 313 toxic chemical notification and release reporting: 2-Butoxyethanol; Diethylene Glycol Ethyl Ether; Sodium Nitrite

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

**90100390**

**Double Duty  
Concentrate Cleaner**

7/22/2003

Section 1 - Product and Company Identification

Code:		Chemical Family	Not available	NPCA Hazardous Material Identification System	
Product Name	DOUBLE DUTY	Formula	Not applicable	Health	1
Generic Description	High Performance Detergent	Phone:	337-474-2775	Flammability	0
Supplier	H&H CHEMICAL	Emergency phone:	1-800-926-7627	Physical Hazard	0

Section 2 - Ingredients:

Ingredient Name	CAS #	% by Weight	TLV/PEL	Carcinogenic Effects
1) Water	7732-18-5	75-85	Not available.	Not available.
2) Tetrasodium salt of ethylenediaminetetraacetic acid	64-02-8	5-10	Not available.	Not available.
3) Nonionic Surfactant	9016-45-9	0-5	Not available.	Not available.
4) Anionic Surfactant	25155-30-0	0-5	Not available.	Not available.
5) Triethanolamine	102-71-6	<1	Not available.	Not available.
6) Anionic Surfactant	5324-84-5	<1	Not available.	Not available.
7) Nonionic Surfactant	66455-15-0	<1	Not available.	Not available.
8) Perfume Oil	N/A	<1	Not available.	Not available.
9) Dye	N/A	<1	Not available.	Not available.

Section 3 - Physical and Chemical Properties

Boiling point	215°F initial	Specific Gravity	1.04 (Water = 1)
Vapor Pressure	17.54 mm Hg @ 68 F	Vapor density:	>1 (Air = 1)
Volatility	85	pH	10 to 11 [Basic]
Solubility	Easily soluble in cold water.	Evaporation Rate	<1 compared to Water

Physical State and Appearance    Odor

Liquid    Green (Light)    Pleasant.

Section 5 - Reactivity Data

Stability	The product is stable.
Compatibility	Not available.
Hazardous Decomposition Products	Not available.
Hazardous Polymerization	Will not occur.

Section 4 - Fire/Explosion Hazards

Flash points (closed cup)	CLOSED CUP >98 889°C (210°F)	Explosion Limits
Extinguishing media	Non-flammable substance.	Not available.
Fire-Fighting Measures	Wear full protective clothing Use extinguishing media indicated	
Explosion Hazards	No specific information is available in our database regarding the product's risks of explosion in the presence of various materials	

Section 6 - Storage

Precautions to be taken in handling and storage  
Avoid breathing vapors or spray mists.  
Keep out of the reach of children. Not for use or storage in or around the home.

Section 7 - Health Hazards/ FIRST AID

Chronic Effects:    Repeated skin exposure can produce local skin destruction, or dermatitis.

ROUTES OF ENTRY

Skin	Slightly irritating
Eyes	Irritant    inflammation of the eye is characterized by redness, watering, and itching
Inhalation	Non-irritating to the respiratory system.
Ingestion	May cause nausea, vomiting and diarrhea. May cause gastrointestinal discomfort.

Medical Conditions aggravated by Exposure    Repeated or prolonged exposure is not known to aggravate medical condition.

FIRST AID MEASURES

After contact with skin, wash immediately with plenty of water.  
In case of contact with eyes, rinse immediately with plenty of water.  
NO known EFFECT according to our data base.  
Have conscious person drink several glasses of water or milk. Seek medical attention.

Section 8 - Personal Protection

Protective Clothing	Ventilation
Eye/Face Protection    Safety glasses	Good general ventilation should be sufficient to control airborne levels
Hand/Arm Protection    Gloves	
Respiratory Protection    A respirator is not needed under normal and intended conditions of product use.	
Other Special Considerations	Not applicable.

Section 9 - Large Spill and Leak

Methods for cleaning up Spill

Absorb with an inert material and put the spilled material in an appropriate waste disposal.

SARA 313

Methods of disposal

Waste must be disposed of in accordance with federal, state and local environmental control regulations

SARA 313 toxic chemical notification and release reporting: No products were found

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards described herein, we cannot guarantee that these are the only hazards that exist.



## Material Safety Data Sheet

## Emergency Response

1-800-926-7627

**H&H Chemical Company**

## Section 1 - Product and Company Identification

Code:	150	Chemical Family	Not available.	NPCA Hazardous Material Identification System
Product Name	Double Duty	Formula	Not applicable.	Health
Generic Description	High Performance Detergent	Phone:	337-474-2775	Flammability
Supplier	H&H Chemical Company	Emergency phone:	1-800-926-7627	Physical Hazard
	P.O. Box 7369			
	Lake Charles, LA 70606			

## Section 2 - Ingredients:

Ingredient Name	CAS #	% by Weight	TLV/PEL	Carcinogenic Effects
1) Tetrasodium salt of ethylenediaminetetraacetic acid	64-02-8	<10	Not available.	Not available.
2) Nonionic Surfactant	9016-45-9	<5	Not available.	Not available.
3) Anionic Surfactant	25155-30-0	<5	Not available.	Not available.
4) Anionic Surfactant	5324-84-5	<1	Not available.	Not available.

## Section 3 - Physical and Chemical Properties

Boiling point	215°F initial	Specific Gravity	1.04 (Water = 1)
Vapor Pressure	17.54 mm Hg @ 68 F	Vapor density:	>1 (Air = 1)
Volatility	85	pH	10 to 11 [Basic]
Solubility	Easily soluble in cold water.	Evaporation Rate	<1 compared to Water
Physical State and Appearance	Odor		
Liquid.	Green. (Light.) Pleasant.		

## Section 5 - Reactivity Data

Stability	The product is stable.
Compatibility	Not available.
Hazardous Decomposition Products	Not available.
Hazardous Polymerization	Will not occur.

## Section 4 - Fire/Explosion Hazards

Flash points (closed cup)	None to boiling (TCC)	Explosion Limits
Extinguishing media	Non-flammable substance.	Not available.
Fire-Fighting Measures	Wear full protective clothing Use extinguishing media indicated.	
Explosion Hazards	No specific information is available in our database regarding the product's risks of explosion in the presence of various materials.	

## Section 6 - Storage

Precautions to be taken in handling and storage  
Avoid breathing vapors or spray mists.  
Keep out of the reach of children. Not for use or storage in or around the home.

## Section 7 - Health Hazards/ FIRST AID

Chronic Effects:	Repeated skin exposure can produce local skin destruction, or dermatitis.	FIRST AID MEASURES
ROUTES OF ENTRY		After contact with skin, wash immediately with plenty of water.
Skin	Slightly irritating	In case of contact with eyes, rinse immediately with plenty of water.
Eyes	Irritant. Inflammation of the eye is characterized by redness, watering, and itching.	NO known EFFECT according to our data base.
Inhalation	Non-irritating to the respiratory system.	Have conscious person drink several glasses of water or milk. Seek medical attention.
Ingestion	May cause nausea, vomiting and diarrhea. May cause gastrointestinal discomfort.	
Medical Conditions aggravated by Exposure	Repeated or prolonged exposure is not known to aggravate medical condition.	

## Section 8 - Personal Protection

Protective Clothing	Ventilation	
Eye/Face Protection	Safety glasses.	Good general ventilation should be sufficient to control airborne levels.
Hand/Arm Protection	Gloves.	
Respiratory Protection	A respirator is not needed under normal and intended conditions of product use.	
Other Special Considerations	Not applicable.	

## Section 9 - Large Spill and Leak

Methods for cleaning up Spill	Methods of disposal
Absorb with an inert material and put the spilled material in an appropriate waste disposal.	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
SARA 313	
SARA 313 toxic chemical notification and release reporting: No products were found.	

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**90100365**

**PH BALANCE**

**Damp Mop**

# SAFETY DATA SHEET



"PH Balance"

## Section 1. Identification

GHS product identifier : "PH Balance"  
Other means of identification : Not available.  
Product type : Liquid.

### Relevant identified uses of the substance or mixture and uses advised against

Not applicable.

Supplier's details : Betco Corporation  
1001 Brown Avenue  
Toledo, OH 43607  
www.betco.com  
888-462-3826

Emergency telephone number (with hours of operation) : Chemtrec 800-424-9300 (24 Hour)

## Section 2. Hazards identification

OSHA/HCS status : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture : Not classified.

### GHS label elements

Signal word : No signal word.  
Hazard statements : No known significant effects or critical hazards.

### Precautionary statements

Prevention : Not applicable.  
Response : Not applicable.  
Storage : Not applicable.  
Disposal : Not applicable.

Hazards not otherwise classified : None known.

## Section 3. Composition/information on ingredients

Substance/mixture : Mixture  
Other means of identification : Not available.

### AS number/other identifiers

CAS number : Not applicable.  
Product code : 138 HH

## Section 5. Fire-fighting measures

### Extinguishing media

**Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable extinguishing media** : None known.

**Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.

**Hazardous thermal decomposition products** : No specific data.

**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

**For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

**Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large spill** : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

**Protective measures** : Put on appropriate personal protective equipment (see Section 8).

**Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.



## Section 9. Physical and chemical properties

### Appearance

Physical state	: Liquid.
Color	: Yellowish.-Green.
Odor	: Lemon-like.
Odor threshold	: Not available.
pH	: 6.5 to 8.5
Melting point	: Not available.
Boiling point	: Not available.
Flash point	: Closed cup: Not applicable. [Product does not sustain combustion.]
Evaporation rate	: Not available.
Flammability (solid, gas)	: Not available.
Lower and upper explosive (flammable) limits	: Not available.
Vapor pressure	: Not available.
Vapor density	: Not available.
Relative density	: 1.0033
Solubility	: Easily soluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	: Not available.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Viscosity	: Not available.

## Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: No specific data.
Incompatible materials	: No specific data.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Alcohols, C9-11, ethoxylated	LD50 Dermal	Rabbit	2 g/kg	-
	LD50 Oral	Rat	1378 mg/kg	-

#### Irritation/Corrosion

Not available.



## Section 11. Toxicological information

<b>Carcinogenicity</b>	: No known significant effects or critical hazards.
<b>Mutagenicity</b>	: No known significant effects or critical hazards.
<b>Teratogenicity</b>	: No known significant effects or critical hazards.
<b>Developmental effects</b>	: No known significant effects or critical hazards.
<b>Fertility effects</b>	: No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Route	ATE value
Oral	6172.8 mg/kg

## Section 12. Ecological information

### Toxicity

Product/ingredient name	Result	Species	Exposure
Alcohols, C9-11, ethoxylated	Acute EC50 5.36 mg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
	Acute EC50 2686 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 8500 µg/l Fresh water	Fish - Pimephales promelas	96 hours

### Persistence and degradability

Not available.

### Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
Alcohols, C9-11, ethoxylated	-	237	low

### Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 15. Regulatory information

Name	%	EHS	SARA 302 TPQ		SARA 304 RQ	
			(lbs)	(gallons)	(lbs)	(gallons)
Formaldehyde, solution	<0.1	Yes.	500	73.9	100	14.8

**SARA 304 RQ** : 6666666.7 lbs / 3026666.7 kg [796930.9 gal / 3016711.5 L]

### SARA 311/312

**Classification** : Not applicable.

### Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Alcohols, C9-11, ethoxylated	≥1 - <3	No.	No.	No.	Yes.	No.

### State regulations

**Massachusetts** : None of the components are listed.  
**New York** : None of the components are listed.  
**New Jersey** : None of the components are listed.  
**Pennsylvania** : None of the components are listed.

### California Prop. 65

**WARNING:** This product contains less than 0.1% of a chemical known to the State of California to cause cancer.

Ingredient name	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
Formaldehyde, solution	Yes.	No.	Yes.	No.

### International regulations

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

#### Montreal Protocol (Annexes A, B, C, E)

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

#### Rotterdam Convention on Prior Inform Consent (PIC)

Not listed.

#### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

### International lists

#### National inventory

**Australia** : Not determined.  
**Canada** : Not determined.  
**China** : Not determined.  
**Europe** : Not determined.  
**Japan** : Not determined.  
**Malaysia** : Not determined.

## Section 16. Other information

MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
UN = United Nations

References : Not available.

☑ Indicates information that has changed from previously issued version.

### Notice to reader

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# Spartan Chemical Company, Inc.

## Material Safety Data Sheet

### SECTION I: PRODUCT INFORMATION

Product Name or Number (as it appears on label):

**DAMP MOP**

Product Number: 3016

Product Division:

**Janitorial**

**Spartan Chemical Company, Inc.**  
**1110 Spartan Drive**  
**Maumee OH 43537**

Product/Technical Information: **1-(800)-537-8990**

Medical Emergency: **1-(888)-314-6171 (24 hours)**

Chemical Leak/Spil Emergency: **CHEMTREC 1-(800) 424-9300 (24 hours)**

Shipping Description: Cleaning compounds, liquid, n.o.s.

NFPA Ratings:	HMIS Ratings:
<b>Health:</b> 1- Slight <b>Fire:</b> 0 - Minimal <b>Reactivity:</b> 0 - Minimal	<b>Health:</b> 1- Slight <b>Fire:</b> 0 - Minimal <b>Reactivity:</b> 0 - Minimal <b>Pers. Prot. Equip.:</b> See Section VIII

### SECTION II: HAZARDOUS INGREDIENTS

(Listed when present at 1% or greater, carcinogens at 0.1% or greater) All component chemicals are listed or exempted from listing on the "TSCA Inventory" of chemical substances maintained by the U.S. Environmental Protection Agency.

Chemical Name(s)	%Wt	CAS Registry No.	Table Z-1-A			NTP, IARC or OSHA Carcinogen
			TWA mg/m <sup>3</sup>	STEL mg/m <sup>3</sup>	CEILING mg/m <sup>3</sup>	
Nonylphenol ethoxylate	1-5	9016-45-9	Not Established	Not Established	Not Established	No
Isopropyl alcohol	1-5	67-63-0	980	1225	Not Established	No

### SECTION III: PHYSICAL DATA

Boiling Point: 212 °F	Vapor Pressure: Not determined
Vapor Density (AIR = 1): Unknown	Solubility in Water: Complete
pH: 7.0-8.0	Specific Gravity (H <sub>2</sub> O=1): 1.00
Evaporation Rate (but.ace.=1): <1	Percent Solid by Weight: 4-6
Physical State: Liquid	
Appearance & Odor: Yellow liquid, lemon scent	

### SECTION IV: FIRE & EXPLOSIVE HAZARD DATA

Flash Point: > 212°F	Method Used: ASTM-D56
Flammable Limits: Not Established	Flame Extension: N/A
Extinguishing Media: Product does not support combustion. Use extinguishing media appropriate for surrounding fire.	
Special Fire Fighting Procedures: Wear NIOSH approved self-contained breathing apparatus and protective clothing. Cool fire-exposed containers with water spray.	
Unusual Fire & Explosive Hazards: Combustion products are toxic.	



**SECTION V: HEALTH HAZARD DATA**

Threshold Limit Value:	Not Established	Primary Routes of Entry:	Inhalation, Skin Contact, Eyes; Oral
Effects of Overexposure:	<b>Causes mild eye irritation:</b> Symptoms may include pain, redness, swelling and tearing		
Conditions to Avoid:	<b>May cause skin irritation:</b> Symptoms may include pain and redness. <b>May be harmful if swallowed:</b> Symptoms may include nausea, vomiting, pain and diarrhea. <b>Inhalation of product mist may cause respiratory irritation:</b> Symptoms may include coughing and difficulty breathing. <b>Avoid contact with eyes, skin or clothing. Do not swallow. Avoid breathing product mist. Wash thoroughly after handling.</b>		
Conditions Aggravated by Use:	Use of this product may aggravate preexisting skin; eye and respiratory disorders including asthma and dermatitis.		

**Emergency & First Aid Procedures:**

Eyes:	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses. Get medical attention.
Skin:	Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists. Wash contaminated clothing before reuse.
Ingestion:	Do not induce vomiting unless told to do so by medical personnel. Drink one or two glasses of water to dilute product. Get medical attention. Do not give anything by mouth to an unconscious person.
Inhalation:	In case of respiratory irritation; move person to fresh air. Get medical attention if irritation persists.

**SECTION VI: REACTIVITY DATA**

Stability:	Stable	Incompatible Materials:	Strong oxidizers
Hazardous Decomposition Products:	None known	Hazardous Polymerization:	Will Not Occur

**SECTION VII: SPILL OR LEAK PROCEDURES**

Steps to be Taken in Case Material is Released or Spilled:	Small spills of one gallon or less may be flushed with plenty of water to sanitary sewer system (If permitted by local sewer regulations). Dike and contain large spills with inert material and transfer liquid to containers for recovery or disposal.
Waste Disposal Method:	Assure conformance with federal, state and local regulations.

**SECTION VIII: SPECIAL PROTECTION INFORMATION**

Respiratory Protection:	Not normally required. However if respiratory irritation occurs; the use of a NIOSH approved respirator suitable for the use-conditions and chemicals in Section II should be considered.
Ventilation:	Provide good general ventilation. Local exhaust ventilation may be necessary for some operations.
Protective Gloves(Specify Type):	Impervious rubber or other waterproof gloves are recommended for frequent or prolonged contact with undiluted product.
Eye Protection(Specify Type):	Splash goggles are recommended when handling undiluted product.
Other Protective Equipment:	See 29 CFR 1910.132-138 for further guidance.

**SECTION IX: SPECIAL PRECAUTIONS**

Precautions; Handling & Storing:	Keep out of reach of children.
Other Precautions:	NA

© SCC 06/30/2005

Name: Ronald T. Cook

Title: Manager, Regulatory Affairs

**DAMP MOP**

Effective Date: 06/30/2005

Supersedes: 11/20/2003

Ref: 29 CFR 1910.1200 (OSHA)

Changes: Update Section IX

This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained herein. Actual conditions of use and handling are beyond sellers control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State and Local laws and regulations.

**90410080**

**BAYER**

**Roach & Bug Treatment**





## Material Safety Data Sheet

MSDS Number: 000000002003

### Bayer Advanced Indoor & Outdoor Home Pest Control

MSDS Version: 1.2

#### SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

<b>Product Name</b>	Bayer Advanced Indoor & Outdoor Home Pest Control
<b>Chemical Name</b>	
<b>Common Name</b>	
<b>MSDS Number</b>	2003
<b>Chemical Family</b>	
<b>Chemical Formulation</b>	
<b>EPA Registration No.</b>	72155-27
<b>Product Use</b>	Insecticide, For Indoor and Outdoor Use: Kills a Wide Range of Crawling, Flying and Wood-Infesting Pests around basements, foundations and baseboards.

Bayer Environmental Science  
95 Chestnut Ridge Road  
Montvale, NJ 07645  
USA

For MEDICAL, TRANSPORTATION or Other EMERGENCY call 1-800-334-7577 24 hours/day  
For Product Information call 1-800-331-2867

#### SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Component Name</u>	<u>CAS No.</u>	<u>Concentration % by Weight</u>	
		<u>Minimum</u>	<u>Maximum</u>
Beta-cyfluthrin Technical	68359-37-5	0.0400	0.0600

#### SECTION 3. HAZARDS IDENTIFICATION

*NOTE: Please refer to Section 11 for detailed toxicological information.*

**Emergency Overview** Caution! Harmful by inhalation and if swallowed. Causes eye irritation. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use.

<b>Physical State</b>	Liquid, slightly viscous
<b>Appearance</b>	White Opaque
<b>Routes of Exposure</b>	Ingestion, Inhalation, Skin Absorption
<b>Immediate Effects</b>	
<b>Eye</b>	Causes eye irritation. Avoid contact with the eyes.

# Material Safety Data Sheet

## Bayer Advanced Indoor & Outdoor Home Pest Control

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<b>Skin</b>	May cause slight irritation.
<b>Ingestion</b>	Harmful if swallowed. Do not take internally.
<b>Inhalation</b>	Harmful if inhaled. Do not breathe vapours or spray mist.

### SECTION 4. FIRST AID MEASURES

<b>Eye</b>	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
<b>Skin</b>	Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person.
<b>Inhalation</b>	Move to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

### SECTION 5. FIRE FIGHTING MEASURES

<b>Flash Point</b>	> 93.3 °C / > 199.9 °F
<b>Suitable Extinguishing Media</b>	Water, Foam, Dry chemical
<b>Fire Fighting Instructions</b>	Keep out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses. Equipment or materials involved in pesticide fires may become contaminated.  Wear self-contained breathing apparatus and protective suit.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

<b>General and Disposal</b>	Keep unnecessary people away, isolate hazard area and deny entry. Avoid contact with spilled product or contaminated surfaces.
<b>Land Spill or Leaks</b>	Avoid breathing vapors and avoid skin contact. Use personal protective equipment. Dike contaminated area with absorbent granules, soil, sand, etc. Carefully sweep up absorbed spilled material. Place in covered container for reuse or disposal. Scrub contaminated area with soap and water. Rinse with water. Use dry absorbent material such as clay granules to absorb and collect wash solution for proper disposal. Contaminated soil may have to be removed and disposed. Do not allow material to enter streams, sewers, or other waterways or contact vegetation.



# Material Safety Data Sheet

## Bayer Advanced Indoor & Outdoor Home Pest Control

MSDS Number: 000000002003

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### SECTION 7. HANDLING AND STORAGE

#### Handling Procedures

Do not apply as a space spray while food processing is underway. When using in animal quarters, do not apply directly to food, water or food supplements.

Do not allow children and pets to enter the treated area until it has dried.

#### Storing Procedures

Keep containers tightly closed in a dry, cool and well-ventilated place. Store in original container and out of the reach of children, preferably in a locked storage area.

Do not freeze.

### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### General Protection

There are no known hazards associated with this product when used according to the label directions. At the same time, the following guidelines should be used.

Avoid inhalation of vapour or mist.

Avoid contact with skin and eyes.

Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

Do not allow children and pets to enter the treated area until it has dried.

#### Exposure Limits

None known.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Appearance

White Opaque

#### Physical State

Liquid, slightly viscous

#### pH

7.8 - 8.2 at 25 °C

#### Specific Gravity

0.999 at 20 °C

#### Viscosity

2.0 - 3.0 mPa.s 23 °C

### SECTION 10. STABILITY AND REACTIVITY

#### Chemical Stability

Stable under recommended storage conditions.

### SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity studies for this product have been bridged from another product containing 20% of the active ingredient, Cyfluthrin. The non-acute information pertains to the active ingredients Beta-cyfluthrin technical, an enriched isomer of Cyfluthrin, and Cyfluthrin technical. Toxicology information on Cyfluthrin technical can

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## Bayer Advanced Indoor & Outdoor Home Pest Control

be obtained by calling the Product Use Information number on page 1.

### Acute Oral Toxicity

Male Rat: LD50: 3,084 mg/kg

Female Rat: LD50: 1,733 mg/kg

### Acute Dermal Toxicity

Male/Female Rat: LD50: > 2,000 mg/kg

### Acute Inhalation Toxicity

Male/Female Rat: LC50: 4-hr exposure to dust: > 1.18 mg/l (actual)  
Maximum attainable concentration.

Male/Female Rat: 1-hr exposure to dust (extrapolated from 4-hr LC50): > 4.72 mg/l (actual)

### Skin Irritation

Rabbit: slight irritation

### Eye Irritation

Rabbit: Mildly irritating.  
Irritation is transient.

### Sensitization

Guinea pig: non-sensitizing

### Subchronic Toxicity

#### BETA-CYFLUTHRIN TECHNICAL

In a subchronic dietary study, dogs treated with beta-cyfluthrin, exhibited vomiting, diarrhea, decreased body weight gain and clinical neurological symptoms at the highest dose level (360 ppm).

In a subchronic dietary study in rats treated with beta-cyfluthrin, effects included reduced body weight gains and feed consumption, uncoordinated gait, and skin injuries of the neck and head from excessive preening due to the local irritant effect of the test material.

In a 4-week inhalation study in rats exposed to beta-cyfluthrin, effects observed included ungroomed fur, piloerection, hyper- and hypoactivity, reduced body weight gains, hematological changes and reduced organ weights (thymus, spleen).

### Assessment Carcinogenicity

#### ACGIH

None

#### NTP

None

#### IARC

None

#### OSHA

None

### Reproductive & Developmental Toxicity

#### BETA-CYFLUTHRIN TECHNICAL

DEVELOPMENTAL TOXICITY: In an oral developmental toxicity study in rats treated with beta-cyfluthrin, decreased fetal body weights and an increased incidence of skeletal findings were observed at the maternally toxic and lethal high dose level (40 mg/kg).

### Neurotoxicity

#### BETA-CYFLUTHRIN TECHNICAL

In acute and subchronic neurotoxicity screening studies in rats, beta-cyfluthrin produced slight transient neurobehavioral effects in each study at the highest dose tested. There were no correlating morphological changes in neural tissues

# Material Safety Data Sheet

## Bayer Advanced Indoor & Outdoor Home Pest Control

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in either study.

### Mutagenicity

#### BETA-CYFLUTHRIN TECHNICAL

Numerous in vitro and in vivo mutagenicity studies have been conducted on beta-cyfluthrin, all of which are negative.

## SECTION 12. ECOLOGICAL INFORMATION

### Environmental Precautions

Do not apply directly to water. This product is extremely toxic to fish and aquatic invertebrates. Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water. Apply this product only as specified on the label.

## SECTION 13. DISPOSAL CONSIDERATIONS

### General Disposal Guidance

It is best to use all of the product in accordance with label directions. If it is necessary to dispose of unused product, please follow any applicable state or local guidelines. Never place unused product down any indoor or outdoor drain.

### Container Disposal

Do not re-use empty containers. Wrap container in several layers of newspaper and discard in trash.

### RCRA Classification

Not Regulated under this Statute

## SECTION 14. TRANSPORT INFORMATION

TRANSPORTATION CLASSIFICATION:  
Not regulated for transportation

FREIGHT CLASSIFICATION:  
Insecticides or Fungicides, N.O.I.; other than poison

## SECTION 15. REGULATORY INFORMATION

EPA Registration No. 72155-27

### US Federal Regulations

#### TSCA list

None

#### US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)

None

#### SARA Title III - section 302 - notification and information

None

#### SARA Title III - section 313 - toxic chemical release reporting

Beta-cyfluthrin Technical

68359-37-5

1.0%

### US States Regulatory Reporting

#### CA Prop65

This product does not contain any substances known to the State of California to cause cancer.

This product does not contain any substances known to the State of California to cause reproductive harm.



# Material Safety Data Sheet

## Bayer Advanced Indoor & Outdoor Home Pest Control

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### US State right-to-know ingredients

None

### Canadian Regulations

#### Canadian Domestic Substance List

None

### Environmental

#### CERCLA

None

#### Clean Water Section 307 Priority Pollutants

None

#### Safe Drinking Water Act Maximum Contaminant Levels

None

### International Regulations

#### EU Classification

None

#### European Inventory of Existing Commercial Substances (EINECS)

Beta-cyfluthrin Technical

68359-37-5

## SECTION 16. OTHER INFORMATION

NFPA	Health	Flammability	Reactivity	Others
	1	1	1	None

MSDS REVISION INDICATOR: Section 1: Revise Product name

Approval Date: 07/27/2004

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**90500860**

**Stainless Steel Cleaner**



# Safety Data Sheet

## Spartan Chemical Company, Inc.

Revision Date: 11-Aug-2015

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Name:** STAINLESS STEEL CLEANER POLISH  
**Product Number:** 6310  
**Recommended Use:** Cleaning agent  
**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

**24 Hour Emergency Phone Numbers:**

**Medical Emergency/Information:** 888-314-6171  
**Transportation/Spill/Leak:** CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

**GHS Classification**

Flammable Aerosols  
Gases Under Pressure

Category 1  
Liquefied gas

**GHS Label Elements**

**Signal Word:**

**Symbols:**

**Danger**



**Hazard Statements:**

Extremely flammable aerosol.  
Contains gas under pressure; may explode if heated

**Precautionary Statements:**

**Prevention:**

Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
Do not spray on an open flame or other ignition source  
Pressurized container: Do not pierce or burn, even after use  
Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.

**Response:**

**-Specific Treatment:**

See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

**Storage:**

Protect from sunlight. Do not expose to temperatures exceeding 122°F (50°C) Store in a well-ventilated place

**Disposal:**

Not Applicable

**Hazards Not Otherwise Classified:** Not Applicable

<b>Other Information:</b>	<ul style="list-style-type: none"><li>• May cause skin irritation.</li><li>• May cause eye irritation.</li><li>• May be harmful if swallowed.</li><li>• Inhalation of vapors or mist may cause respiratory irritation.</li><li>• Keep out of reach of children.</li></ul>
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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
water	7732-18-5	40-70
petroleum distillates	64741-44-2	10-30
N-butane	106-97-8	3-7
petroleum distillates	64742-88-7	1-5
propane	74-98-6	1-5
polydimethylsiloxane	63148-62-9	1-5
decaglyceryl monooleate	9007-48-1	1-5

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

<b>-Eye Contact:</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
<b>-Skin Contact:</b>	Wash with soap and water. If skin irritation occurs: Get medical attention.
<b>-Inhalation:</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell.
<b>-Ingestion:</b>	Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.
<b>Note to Physicians:</b>	Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Water spray (fog), Foam
<b>Specific Hazards Arising from the Chemical:</b>	Extremely flammable aerosol. Exposure to high temperature may cause containers to burst. Bursting aerosol containers may be propelled from fire at high speed.
<b>Hazardous Combustion Products:</b>	May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.
<b>Protective Equipment and Precautions for Firefighters:</b>	Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Water may be used to cool closed containers to prevent pressure build-up and possible auto ignition or explosion when exposed to extreme heat.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
<b>Environmental Precautions:</b>	Do not rinse spill onto the ground, into storm sewers or bodies of water.
<b>Methods for Clean-Up:</b>	Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

### 7. HANDLING AND STORAGE

<b>Advice on Safe Handling:</b>	Handle in accordance with good industrial hygiene and safety practice. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Wash thoroughly after handling.
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**Storage Conditions:** NFPA 30B Level 1 Aerosol. Do not store in direct sunlight or above 122 F° / 50 C°. Exposure to high temperature may cause containers to burst. Keep out of the reach of children.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
N-butane 106-97-8	TWA: 1000 ppm	(vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup>
propane 74-98-6	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m <sup>3</sup>	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>

### Engineering Controls:

Provide good general ventilation.  
If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.

### Personal Protective Equipment

#### Eye/Face Protection:

Not required with expected use.

#### Skin and Body Protection:

Not required with expected use.

#### Respiratory Protection:

Not required with expected use.

If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.

### General Hygiene Considerations:

Wash hands and any exposed skin thoroughly after handling.  
See 29 CFR 1910.132-138 for further guidance.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical State:	Aerosol
Color:	White
Odor:	Lemon
pH:	8.0-9.0
Melting Point / Freezing Point:	No information available.
Boiling Point / Boiling Range:	100 °C / 212 °F (Product without propellant)
Flash Point:	< -18 °C / < 0 °F (Propellant-estimated)
Evaporation Rate:	<1 (Butyl acetate = 1)
Flammability (solid, gas)	No information available.
Upper Flammability Limit:	No information available.
Lower Flammability Limit:	No information available.
Vapor Pressure:	No information available.
Vapor Density:	No information available.
Specific Gravity:	0.94 (Product without propellant)
Solubility(ies):	No information available.
Partition Coefficient:	No information available.
Autoignition Temperature:	No information available.
Decomposition Temperature:	No information available.
Viscosity:	No information available.

## 10. STABILITY AND REACTIVITY

### Reactivity:

This material is considered to be non-reactive under normal conditions of use.

### Chemical Stability:

Stable under normal conditions.

### Possibility of Hazardous Reactions:

Not expected to occur with normal handling and storage.

### Conditions to Avoid:

Extremes of temperature and direct sunlight.

### Incompatible Materials:

Strong oxidizing agents. Strong acids.



**Hazardous Decomposition Products:**May include carbon monoxide, carbon dioxide (CO<sub>2</sub>) and other toxic gases or vapors.**11. TOXICOLOGICAL INFORMATION****Likely Routes of Exposure:**

Eyes, Skin, Ingestion, Inhalation.

**Symptoms of Exposure:****-Eye Contact:**

Pain and redness.

**-Skin Contact:**

Drying of the skin.

**-Inhalation:**

Nasal discomfort and coughing.

**-Ingestion:**

Pain, nausea, vomiting and diarrhea.

**Immediate, Delayed, Chronic Effects****Product Information:**

Data not available or insufficient for classification.

**Target Organ Effects:**

Central nervous system.

**Numerical Measures of Toxicity**

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

ATEmix (oral): 24279 mg/kg

ATEmix (dermal): 9524 mg/kg

ATEmix (inhalation-gas): 3021468 mg/l

**Component Acute Toxicity Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
water 7732-18-5	> 90 mL/kg ( Rat )	Not Available	Not Available
petroleum distillates 64741-44-2	= 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	= 1700 mg/m <sup>3</sup> ( Rat ) 4 h
N-butane 106-97-8	Not Available	Not Available	= 658 mg/L ( Rat ) 4 h
petroleum distillates 64742-88-7	> 5000 mg/kg ( Rat )	= 3000 mg/kg ( Rabbit )	> 5.28 mg/L ( Rat ) 4 h
propane 74-98-6	Not Available	Not Available	= 658 mg/L ( Rat ) 4 h
polydimethylsiloxane 63148-62-9	> 17 g/kg ( Rat )	> 2 g/kg ( Rabbit )	Not Available

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
petroleum distillates 64742-88-7	450: 96 h Pseudokirchneriella subcapitata mg/L EC50	800: 96 h Pimephales promelas mg/L LC50 static	Not Available	100: 48 h Daphnia magna mg/L EC50

**Persistence and Degradability:**

No information available.

**Bioaccumulation:**

No information available.

**Other Adverse Effects:**

No information available.

**13. DISPOSAL CONSIDERATIONS****Disposal of Wastes:**

Dispose of in accordance with federal, state and local regulations.

**Contaminated Packaging:**

Pressurized container: Do not pierce or burn, even after use. Dispose of in accordance with federal, state and local regulations.

**14. TRANSPORT INFORMATION**

**DOT:**

UN/ID No: UN1950  
Proper Shipping Name: Aerosols  
Hazard Class: 2.1  
Special Provisions: This product meets the exception requirements of section 49 CFR 173.306 as a limited quantity and may be shipped as a limited quantity.

**IMDG:**

UN/ID No: UN1950  
Proper Shipping Name: Aerosols  
Hazard Class: 2.1  
Additional information: Limited Quantity

**15. REGULATORY INFORMATION****TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**SARA 313**

This product does not contain listed substances above the "de minimus" level

**SARA 311/312 Hazard Categories**

Acute Health Hazard:	Yes
Chronic Health Hazard:	No
Fire Hazard:	No
Sudden release of pressure hazard:	Yes
Reactive Hazard:	No

**California Proposition 65**

This product is not subject to warning requirements under California Proposition 65.

**16. OTHER INFORMATION****NFPA**

Health Hazards: 1

Flammability: 2

Instability: 0

Special: N/A

**HMIS**

Health Hazards: 1

Flammability: 2

Physical Hazards: 2

Revision Date: 11-Aug-2015

Reasons for Revision: Section 14 and 15

**Disclaimer:**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet



# Safety Data Sheet

## Spartan Chemical Company, Inc.

Revision Date: 11-Aug-2015

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product Identifier

**Product Name:** SUPERIOR HIGH SHINE STAINLESS STEEL CLEANER & POLISH  
**Product Number:** 6290  
**Recommended Use:** Cleaning agent  
**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

#### **24 Hour Emergency Phone Numbers:**

**Medical Emergency/Information:** 888-314-6171  
**Transportation/Spill/Leak:** CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

#### GHS Classification

Specific Target Organ Toxicity (Single Category 3  
Exposure):  
Flammable Aerosols Category 1  
Gases Under Pressure Liquefied gas

#### GHS Label Elements

**Signal Word:**

**Symbols:**

**Danger**



**Hazard Statements:** May cause drowsiness or dizziness  
Extremely flammable aerosol.  
Contains gas under pressure; may explode if heated

#### Precautionary Statements:

**Prevention:** Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
Do not spray on an open flame or other ignition source  
Pressurized container: Do not pierce or burn, even after use  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area.  
Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.

#### **Response:**

**-Inhalation:** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell  
**-Specific Treatment:** See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

**Storage:** Protect from sunlight. Do not expose to temperatures exceeding 122°F (50°C) Store in a well-ventilated place Store locked up.

**Disposal:** Dispose of contents and container in accordance with local, state and federal regulations.

**Hazards Not Otherwise Classified:** Not Applicable

**Other Information:**

- May cause skin irritation.
- May cause eye irritation.
- Keep out of reach of children.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
petroleum distillates	64742-47-8	40-70
petroleum distillates	64741-44-2	10-30
N-butane	106-97-8	1-5

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**-Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

**-Skin Contact:** Wash with soap and water. If skin irritation occurs: Get medical attention.

**-Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell.

**-Ingestion:** Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.

**Note to Physicians:** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:** Water spray (fog), Foam

**Specific Hazards Arising from the Chemical:** Extremely flammable aerosol. Exposure to high temperature may cause containers to burst. Bursting aerosol containers may be propelled from fire at high speed.

**Hazardous Combustion Products:** May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.

**Protective Equipment and Precautions for Firefighters:** Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Water may be used to cool closed containers to prevent pressure build-up and possible auto ignition or explosion when exposed to extreme heat.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

**Environmental Precautions:** Do not rinse spill onto the ground, into storm sewers or bodies of water.

**Methods for Clean-Up:** Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

### 7. HANDLING AND STORAGE

**Advice on Safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Wash thoroughly after handling.



**Storage Conditions:** NFPA 30B Level 3 Aerosol. Do not store in direct sunlight or above 122 F° / 50 C°. Exposure to high temperature may cause containers to burst. Keep out of the reach of children.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
N-butane 106-97-8	TWA: 1000 ppm	(vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup>

### Engineering Controls:

Provide good general ventilation.

If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.

### Personal Protective Equipment

#### Eye/Face Protection:

Not required with expected use.

#### Skin and Body Protection:

Not required with expected use.

#### Respiratory Protection:

Not required with expected use.

If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.

### General Hygiene Considerations:

Wash hands and any exposed skin thoroughly after handling.

See 29 CFR 1910.132-138 for further guidance.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance/Physical State:</b>	Aerosol
<b>Color:</b>	No information available.
<b>Odor:</b>	Lemon
<b>pH:</b>	Not applicable
<b>Melting Point / Freezing Point:</b>	No information available.
<b>Boiling Point / Boiling Range:</b>	106 °C / 223 °F (Product without propellant)
<b>Flash Point:</b>	< 38 °C / < 0 °F (Propellant-estimated)
<b>Evaporation Rate:</b>	<1 (Butyl acetate = 1)
<b>Flammability (solid, gas)</b>	No information available.
<b>Upper Flammability Limit:</b>	No information available.
<b>Lower Flammability Limit:</b>	No information available.
<b>Vapor Pressure:</b>	No information available.
<b>Vapor Density:</b>	No information available.
<b>Specific Gravity:</b>	0.760 (Product without propellant)
<b>Solubility(ies):</b>	Negligible
<b>Partition Coefficient:</b>	No information available.
<b>Autoignition Temperature:</b>	No information available.
<b>Decomposition Temperature:</b>	No information available.
<b>Viscosity:</b>	No information available.

## 10. STABILITY AND REACTIVITY

### Reactivity:

This material is considered to be non-reactive under normal conditions of use.

### Chemical Stability:

Stable under normal conditions.

**Possibility of Hazardous Reactions:** Not expected to occur with normal handling and storage.

**Conditions to Avoid:** Extremes of temperature and direct sunlight.

**Incompatible Materials:** Strong oxidizing agents. Strong acids.

**Hazardous Decomposition Products:** May include carbon monoxide, carbon dioxide (CO<sub>2</sub>) and other toxic gases or vapors.

## 11. TOXICOLOGICAL INFORMATION

**Likely Routes of Exposure:** Eyes, Skin, Ingestion, Inhalation.  
**Symptoms of Exposure:**  
**-Eye Contact:** Pain and redness.  
**-Skin Contact:** Drying of the skin.  
**-Inhalation:** Nasal discomfort and coughing.  
**-Ingestion:** Pain, nausea, vomiting and diarrhea.  
**Immediate, Delayed, Chronic Effects**  
**Product Information:** Central nervous system effects including dizziness, nausea and headache.

**Numerical Measures of Toxicity**

The following acute toxicity estimates (ATE) are calculated based on the GHS document.  
 Data not available or insufficient for classification.

**Component Acute Toxicity Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
petroleum distillates 64742-47-8	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 5.2 mg/L ( Rat ) 4 h
petroleum distillates 64741-44-2	= 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	= 1700 mg/m <sup>3</sup> ( Rat ) 4 h
N-butane 106-97-8	Not Available	Not Available	= 658 mg/L ( Rat ) 4 h

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
petroleum distillates 64742-47-8	Not Available	45: 96 h Pimephales promelas mg/L LC50 flow-through 2.2: 96 h Lepomis macrochirus mg/L LC50 static 2.4: 96 h Oncorhynchus mykiss mg/L LC50 static	Not Available	4720: 96 h Daphnia magna mg/L LC50

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Other Adverse Effects:** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Disposal of Wastes:** Dispose of in accordance with federal, state and local regulations.

**Contaminated Packaging:** Pressurized container: Do not pierce or burn, even after use. Dispose of in accordance with federal, state and local regulations.

## 14. TRANSPORT INFORMATION

**DOT:**

**UN/ID No:** UN1950

**Proper Shipping Name:** Aerosols

**Hazard Class:** 2.1

**Special Provisions:** This product meets the exception requirements of section 49 CFR 173.306 as a limited quantity and may be shipped as a limited quantity.

**IMDG:**

**UN/ID No:** UN1950

**Proper Shipping Name:** Aerosols

Hazard Class: 2.1  
Additional information: Limited Quantity

## 15. REGULATORY INFORMATION

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**SARA 313**

This product does not contain listed substances above the "de minimus" level

**SARA 311/312 Hazard Categories**

Acute Health Hazard:	Yes
Chronic Health Hazard:	Yes
Fire Hazard:	Yes
Sudden release of pressure hazard:	Yes
Reactive Hazard:	No

**California Proposition 65**

This product is not subject to warning requirements under California Proposition 65.

## 16. OTHER INFORMATION

<b><u>NFPA</u></b>	Health Hazards: 1	Flammability: 4	Instability: 0	Special: N/A
<b><u>HMIS</u></b>	Health Hazards: 1*	Flammability: 4	Physical Hazards: 2	

Revision Date: 11-Aug-2015  
Reasons for Revision: No information available.

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End of Safety Data Sheet



Zep Inc.  
1310 Seaboard Industrial Blvd.  
Atlanta, GA 30318  
1-877-I-BUY-ZEP (428-9937)  
Superior Solutions www.zep.com

# Material Safety Data Sheet

## and Safe Handling and Disposal Information

### Section 1. Chemical Product and Company Identification

**Product name** ZEP STAINLESS STEEL POLISH  
**Product use** Aerosol Stainless Steel Cleaner and Polish  
**Product code** 0143  
**Date of issue** 11/16/04 **Supersedes** 04/07/95

**Emergency Telephone Numbers** For MSDS Information:  
Compliance Services 1-877-I-BUY-ZEP (428-9937)

For Medical Emergency  
INFOTRAC: (877) 541-2016 Toll Free - All Calls Recorded

For Transportation Emergency  
CHEMTREC: (800) 424-9300 - All Calls Recorded  
In the District of Columbia (202) 483-7616

CALCASIEU PARISH SCHOOL BOARD  
JANITORIAL WAREHOUSE  
3310 BROAD ST  
LAKE CHARLES LA 70615

Printing date: 03/03/09

**Prepared By**  
Compliance Services  
1420 Seaboard Industrial Blvd.  
Atlanta, GA 30318

### Section 2. Composition, Information on Ingredients

Name of hazardous ingredients	CAS #	% by Weight	Exposure Limits
PARAFFIN OIL; blend of heavy and light naphthenic petroleum distillate	64742-52-5	60 - 70	OSHA PEL (United States). : 5 mg/m <sup>3</sup> 8 hour(s). Form: Mist ACGIH TLV (United States). : 5 mg/m <sup>3</sup> 8 hour(s). Form: Mist
PETROLEUM SPIRITS; vm&p naphtha; refined solvent naphtha	8032-32-4	10 - 20	ACGIH (United States). TWA: 300 ppm OSHA (United States). STEL: 400 ppm
D-LIMONENE - orange distillate; citrus terpene; cyclohexene, 1-methyl-4-(1-methylethenyl)-, (R)-	5989-27-5	5 - 10	
ISOPROPYL ALCOHOL; ipa; dimethylcarbinol; 2-propanol	67-63-0	<5	ACGIH TLV (United States). TWA: 200 ppm 8 hour(s). OSHA PEL (United States). TWA: 400 ppm 8 hour(s). ACGIH/OSHA (United States). STEL: 400 ppm 15 minute(s).

### Section 3. Hazards Identification

#### Acute Effects

**Routes of Entry** Absorbed through skin. Eye contact. Inhalation.

**Skin** Hazardous by the following route of exposure: of skin contact (irritant, permeator, sensitizer). May cause allergic reactions in certain individuals. Skin inflammation is characterized by itching, scaling, reddening or, occasionally, blistering. Defatting properties, may aggravate an existing dermatitis

**Eyes** Hazardous by the following route of exposure: of eye contact (irritant). Inflammation of the eye is characterized by redness, watering and itching.

**Inhalation** Hazardous by the following route of exposure: of inhalation. May cause respiratory tract irritation. Can cause central nervous system (CNS) depression. Medical conditions aggravated by over-exposure Respiratory

**Ingestion** Unlikely in this form.

**NOTE:** MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse health effects are lessened by following all prescribed safety precautions, including use of proper personal protective equipment.

**Carcinogenic Effects** Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

**Chronic Effects** Prolonged or repeated contact may dry skin and cause irritation. Over-exposure by inhalation or absorption can cause central nervous system depression.

See Toxicological Information (section 11)

#### HMIS

Health	1
Fire Hazard	3
Reactivity	0
Personal Protection	B



**Section 12. Ecological Information**

Ecotoxicity Not available.

Biodegradable/OECD Not available.

**Section 13. Disposal Considerations**

**Waste Information** Waste must be disposed of in accordance with federal, state and local environmental control regulations.

**Waste Stream** Code: D001  
Classification: - [Hazardous waste.]  
Origin: - [RCRA waste.]

Consult your local or regional authorities.

**Section 14. Transport Information**

Proper shipping name Consumer commodity

DOT Classification ORM-D

UN number Not regulated.

NOTE: DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

TDG Classification ORM-D

**Section 15. Regulatory Information**

**U.S. Federal Regulations** SARA 313 toxic chemical notification and release reporting:  
No products were found.  
Clean Water Act (CWA) 311: No products were found.  
Clean Air Act (CAA) 112 regulated toxic substances: No products were found.  
All Components of this product are listed or exempt from listing on TSCA inventory.

**State Regulations** **WARNING:** This product contains a chemical or chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.: Benzene; Toluene

**WHMIS (Canada)** Class A: Compressed gas.  
Class B-5: Flammable aerosol.  
Class D-2B: Material causing other toxic effects (Toxic).

**Section 16. Other Information**

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.



# Spartan Chemical Company, Inc.

## Material Safety Data Sheet

### SECTION I: PRODUCT INFORMATION

Product Name or Number (as it appears on label):

**SUPERIOR HIGH SHINE STAINLESS STEEL CLEANER & POLISH  
(AEROSOL)**

Product Number: 6290

Product Division:

**Janitorial**

**Spartan Chemical Company, Inc.**  
**1110 Spartan Drive**  
**Maumee, OH 43537**

Product/Technical Information: **1-(800)-537-8990**

Medical Emergency: **1-(888)-314-6171 (24 hours)**

Chemical Leak/Spill Emergency: **CHEMTREC 1-(800) 424-9300 (24 hours)**

Shipping Description: ORM-D, Consumer commodity, cleaning compounds, aerosol, n.o.s.

NFPA Ratings:	HMIS Ratings:
<b>Health:</b> 1- Slight <b>Fire:</b> 3 - Serious <b>Reactivity:</b> 1- Slight	<b>Health:</b> *1 - Slight; Chronic Hazard <b>Fire:</b> 3 - Serious <b>Reactivity:</b> 1- Slight <b>Pers. Prot. Equip.:</b> See Section VIII

### SECTION II: HAZARDOUS INGREDIENTS

(Listed when present at 1% or greater, carcinogens at 0.1% or greater) All component chemicals are listed or exempted from listing on the "TSCA Inventory" of chemical substances maintained by the U.S. Environmental Protection Agency.

Chemical Name(s)	%Wt	CAS Registry No.	Table Z-1-A			Carcinogen
			TWA mg/m <sup>3</sup>	STEL mg/m <sup>3</sup>	CEILING mg/m <sup>3</sup>	
Petroleum distillate	NA	64742-47-8	1200 (Exxon)	Not Established	Not Established	No
Petroleum distillate	NA	64741-44-2	5 (oil mist)	10 (NIOSH)	Not Established	No
Propane	NA	74-98-6	1800	Not Established	Not Established	No
Isobutane	NA	75-28-5	1900 (NIOSH)	Not Established	Not Established	No

### SECTION III: PHYSICAL DATA

Boiling Point: -44 to 529 °F	Vapor Pressure: Unknown
Vapor Density (AIR = 1): Heavier than air.	Solubility in Water: Negligible
pH: NA	Specific Gravity (H <sub>2</sub> O=1): 0.75 (Concentrate)
Evaporation Rate (but. ace. =1): <1	Percent Solid by Weight: NA
Physical State: Aerosol can (pressurized liquid)	
Appearance & Odor: Lemon fragrance	

### SECTION IV: FIRE & EXPLOSIVE HAZARD DATA

Flash Point: Propellant: < 0°F	Method Used: Estimate
Flammable Limits: Not Established Explosive Limits: Lower: 0.5% Upper: 9.5%	Flame Extension: > 18 Inches NFPA 30B Level 3 Aerosol
Extinguishing Media: Carbon dioxide, Dry chemical,	
Special Fire Fighting Procedures: Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat. Wear a full face positive pressure self contained breathing apparatus when fighting fires.	
Unusual Fire & Explosive Hazards: Material is highly volatile and readily gives off vapors which may travel along the ground or be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electrical motors, static discharge or other ignition sources at locations distant from material handling point.	

**SECTION V: HEALTH HAZARD DATA**

Threshold Limit Value: Not Established	Primary Routes of Entry: Inhalation, Skin Contact, Eyes & Oral
Effects of Overexposure- Conditions to Avoid:	<b>Harmful or Fatal if Swallowed.</b> Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death. <b>Harmful if Inhaled.</b> Inhalation of vapors may cause central nervous system effects including dizziness, weakness, fatigue, nausea, headache, loss of consciousness and even death depending on vapor concentration and duration of exposure. Prolonged exposure above the OSHA permissible exposure limits may result in kidney and liver damage. The intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. <b>Causes Skin Irritation.</b> Frequent or prolonged contact may cause dermatitis. <b>Causes Eye Irritation.</b> <b>Do not breathe vapors or mists. Avoid contact with eyes and skin. Do not swallow.</b>
Conditions Aggravated by Use:	Preexisting skin; eye and respiratory disorders.

**Emergency & First Aid Procedures:**

Eyes:	Flush eyes with water for at least 15 minutes. Remove contact lenses. Get medical attention.
Skin:	Wash thoroughly with soap and water while removing contaminated clothing. Get medical attention if irritation persists. Wash contaminated clothing before reuse.
Ingestion:	Do not induce vomiting. Call a physician immediately.
Inhalation:	Move person to fresh air. If breathing is difficult; give oxygen. If breathing has stopped; give artificial respiration. Get medical attention.

Note to Physician: Contains Petroleum distillates. May cause chemical pneumonia if aspirated into the lungs.

**SECTION VI: REACTIVITY DATA**

Stability: Stable	Incompatible Materials: Avoid contact with strong oxidizing agents; strong alkalis and strong mineral acids.
Hazardous Decomposition Products: Burning can produce carbon monoxide, carbon dioxide and phosgene gas	Hazardous Polymerization: Will Not Occur

**SECTION VII: SPILL OR LEAK PROCEDURES**

Steps to be Taken in Case Material is Released or Spilled:	Ventilate area. Remove all sources of ignition. Clean up with inert materials and dispose of in accordance with all local, state and federal regulations.
Waste Disposal Method:	Do not puncture or incinerate aerosol containers. Empty containers may be disposed of through normal channels. Full or partially filled containers are considered hazardous waste.

**SECTION VIII: SPECIAL PROTECTION INFORMATION**

Respiratory Protection:	Not normally required. However, if exposure limits are exceeded (see Section II) a fully functioning NIOSH approved respirator suitable for the ingredients in Section II should be worn.
Ventilation:	Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.
Protective Gloves(Specify Type):	Resistant gloves such as PVC or polyethylene are recommended to prevent skin contact.
Eye Protection(Specify Type):	Use of chemical goggles is recommended to prevent eye contact.
Other Protective Equipment:	See 29 CFR 1910.132 -138.

**SECTION IX: SPECIAL PRECAUTIONS**

Precautions; Handling & Storing:	Do not puncture or incinerate container. Do not use or store product near heat, sparks or open flame. Do not store in direct sunlight or above 120 F. High temperatures may cause container to burst. Wash thoroughly after handling.
Other Precautions:	Keep out of reach of children.

© SCC 09/27/2001

Name: Ronald T. Cook

Title: Manager, Regulatory Affairs

**SUPERIOR HIGH SHINE STAINLESS  
STEEL CLEANER & POLISH  
(AEROSOL)**

Effective Date: 09/27/2001

Ref: 29 CFR 1910.1200 (OSHA)      Changes:      New Product

This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained herein. Actual conditions of use and handling are beyond sellers control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State and Local laws and regulations.



**90500450**

**H & H Padlock  
Floor Sealer**

# Material Safety Data Sheet

Prepared in Accordance with 29 CFR 1910.1200

**H & H CHEMICAL COMPANY**  
4211 Common Street  
Lake Charles, LA 70607

3/11/2003.

## Section 1 - Product and Company Identification

Code:  
Product Name **PADLOCK**  
Generic Description **Metal Interlocked Acrylic Polymer Floor Sealer**  
Supplier **H&H CHEMICAL**

Chemical Family Not available.  
Formula Not applicable.  
Phone: **337-474-2775**  
Emergency phone: **1-800-926-7627**  
NPGA Hazardous Material Identification System  
Health **2**  
Flammability **0**  
Physical Hazard **0**

## Section 2 - Ingredients:

Ingredient Name	CAS #	% by Weight	TLV/PEL	Carcinogenic Effects
1) Water	7732-18-5	0-100	Not available.	Not available.
2) Acrylic Copolymer	67366-74-9	25-30	Not available.	Not available.
3) Polyethylene Wax Emulsion	N/A	5-10	Not available.	Not available.
4) Maleic Resin Solution	N/A	5-10	Not available.	Not available.
5) Diethylene Glycol Methyl Ether	111-77-3	0-5	Not available.	Not available.
6) Tributyoxyethyl Phosphate	78-51-3	0-5	Not available.	Not available.
7) Anionic Surfactant	N/A	0-5	Not available.	Not available.
8) Modified Rosin Ester	N/A	0-5	Not available.	Not available.
9) Nonionic Surfactant	9016-45-9	0-5	Not available.	Not available.
10) Dispersion of Fluorochemicals in Water	N/A	0-5	Not available.	Not available.
11) Aqua Ammonia	1336-21-6	0-5	TWA: 50 (ppm) TWA: 50 (ppm) from OSHA (PEL) [United States] STEL: 35 (ppm)	Not available.

## Section 3 - Physical and Chemical Properties

Boiling point 85.77777778°C (186.4°F)  
Vapor Pressure Not Determined  
Volatility 84  
Solubility Not available.  
Physical State and Appearance Odor

Specific Gravity 1.02 (Water = 1)  
Vapor density: >1 (Air = 1)  
pH 8.1 to 8.9 [Basic.]  
Evaporation Rate <1

Liquid. White. Characteristic.

## Section 5 - Reactivity Data

Stability The product is stable.  
Incompatibility No incompatible product according to our data base.  
Hazardous Decomposition Products Not available.  
Hazardous Polymerization Will not occur.

## Section 4 - Fire/Explosion Hazards

Flash points (closed cup) Not available.  
Extinguishing media Not available.  
Fire-Fighting Measures Wear full protective clothing Use extinguishing media indicated.  
Explosion Hazards Not applicable

## Section 6 - Storage

Precautions to be taken in handling and storage  
Avoid breathing vapors or spray mists.  
Keep out of reach of children. For Institutional and Commercial Use

## Section 7 - Health Hazards/ FIRST AID

Chronic Effects: Repeated skin exposure can produce local skin destruction, or dermatitis. Over-exposure by inhalation may cause respiratory irritation.

### ROUTES OF ENTRY

Skin Slightly irritating Skin inflammation is characterized by itching or reddening.  
Eyes Irritant. Inflammation of the eye is characterized by redness, watering, and itching.  
Inhalation May cause headache, dizziness.  
Ingestion May cause nausea, vomiting and diarrhea.

Medical Conditions aggravated by Exposure Repeated or prolonged exposure is not known to aggravate medical condition.

### FIRST AID MEASURES

After contact with skin, wash immediately with plenty of water.  
In case of contact with eyes, rinse immediately with plenty of water.  
Allow the victim to rest in a well ventilated area.  
Have conscious person drink several glasses of water or milk. Seek IMMEDIATE medical attention.

## Section 8 - Personal Protection

Protective Clothing  
Eye/Face Protection Safety glasses.  
Hand/Arm Protection Gloves.  
Respiratory Protection  
Other Special Considerations Not applicable.

### Ventilation

Good general ventilation should be sufficient to control airborne levels.

## Section 9 - Large Spill and Leak

### Methods for cleaning up Spill

Absorb with an inert material and put the spilled material in an appropriate waste disposal.

### Methods of disposal

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

### SARA 313

SARA 313 toxic chemical notification and release reporting: Diethylene Glycol Methyl Ether

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**Emergency Response#**  
**1-800-926-7627**



**90500850**

**H & H DayBreak  
Floor Stripper**

Section 1 - Product and Company Identification

Product Name	154 Daybreak Stripper	Chemical Family	Not available.	NPCA Hazardous Material Identification System
Generic Description	Very Aggressive No-Rinse Stripper	Formula	Not applicable.	Health * 3
Supplier	H&H Chemical Co. 1403 Hodges Street Lake Charles, LA 70601	Phone:	(419) 241-2156	Flammability 0
		Emergency phone:	Chemtrec (800) 424-9300	Physical Hazard 0

Section 2-Ingredients:

Ingredient Name	CAS #	% by Weight	TLV/PEL	Carcinogenic Effects
1) 2-Butoxyethanol	111-76-2	<21	TWA: 20 (ppm) from ACGIH (TLV) [United States] TWA: 50 (ppm) from OSHA (PEL) [United States]	Not available.
2) Potassium Hydroxide	1310-58-3	<10	Not available.	Not available.
3) Sodium Xylene Sulfonate	1300-72-7	<7	Not available.	Not available.
4) Monoethanolamine	141-43-5	<5	TWA: 3 (ppm) TWA: 6 (ppm) from OSHA (PEL) [United States] STEL: 6 (ppm)	Not available.

Section 3 -Physical and Chemical Properties

Boiling point	214°F initial	Specific Gravity	1.04 (Water = 1)
Vapor Pressure	20mm Hg @ 68°F	Vapor density:	>1 (Air = 1)
Volatility	90	pH	13.5 to 14 [Basic.]
Solubility	Easily soluble in cold water.	Evaporation Rate	<1 compared to Water
Physical State and Appearance	Odor		

Liquid, (Liquid.) Colorless. Characteristic.

Section 5 - Reactivity Data

Stability	The product is stable.
Incompatibility	acids, oxidizing materials, metals
Hazardous Decomposition Products	Not available.
Hazardous Polymerization	

Section 4- Fire/Explosion Hazards

Flash points (closed cup)	Not available.	Explosion Limits
Extinguishing media	Non-flammable substance.	Not available.
Fire-Fighting Measures	Wear full protective clothing Use extinguishing media indicated.	
Explosion Hazards	Risks of explosion of the product in presence of mechanical impact. Not available. Risks of explosion of the product in presence of static discharge. Not available.	

Section 6-Storage

Precautions to be taken in handling and storage  
Do not ingest. Wash thoroughly after handling. Avoid contact with skin and eyes  
  
Corrosive materials should be stored in a separate safety storage cabinet or room. Handle and open container with care. Keep out of the reach of children. Not for use or storage in or around the home.

Section 7 -Health Hazards/ FIRST AID

Chronic Effects: May aggravate existing respiratory conditions such as asthma. Severe over exposure may cause nervous system damage and kidney damage. Repeated or prolonged exposure to the substance may produce liver damage, blood disorders.

ROUTES OF ENTRY

Skin	Corrosive to skin and eyes on contact. Tissue Destruction Possible. Skin contact may produce burns.
Eyes	Corrosive to eyes on contact. Eye contact can result in corneal damage or blindness.
Inhalation	The product is a severe irritant for lungs and respiratory tract. Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract.
Ingestion	Harmful if swallowed. Burns to mouth, throat and stomach. May be fatal if swallowed.

Medical Conditions aggravated by Exposure Not Available

FIRST AID MEASURES

Rinse skin immediately with plenty of water for 15 to 20 minutes.

Avoid contact with eyes. Call a poison control center or doctor immediately for treatment advice. Hold eye open and rinse slowly and thoroughly with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible.

Call a poison control center immediately for treatment advice. Have person sip a glass of water if able to swallow. Do NOT induce vomiting unless instructed to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Section 8- Personal Protection

Protective Clothing	Ventilation
Eye/Face Protection	Good general ventilation should be sufficient to control airborne levels.
Hand/Arm Protection	
Respiratory Protection	
Other Special Considerations	Boots.

Section 9-Large Spill and Leak

Methods for cleaning up Spill

Corrosive liquid. Do not touch damaged container or spilled material. Isolate the area, do not attempt to clean-up spill, notify your manager for additional instructions.

Methods of disposal

Any method in accordance with applicable laws.

SARA 313

SARA 313 toxic chemical notification and release reporting: 2-Butoxyethanol

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Section 1 - Product and Company Identification

Product Name	154 Daybreak Stripper	Chemical Family	Not available.	NPCA Hazardous Material Identification System
Generic Description	Very Aggressive No-Rinse Stripper	Formula	Not applicable.	Health * 3
Supplier	H&H Chemical Co. 1403 Hodges Street Lake Charles, LA 70601	Phone:	(419) 241-2156	Flammability 0
		Emergency phone:	Chemtrec (800) 424-9300	Physical Hazard 0

Section 2-Ingredients:

Ingredient Name	CAS #	% by Weight	TLV/PEL	Carcinogenic Effects
1) 2-Butoxyethanol	111-76-2	<21	TWA: 20 (ppm) from ACGIH (TLV) [United States] TWA: 50 (ppm) from OSHA (PEL) [United States]	Not available.
2) Potassium Hydroxide	1310-58-3	<10	Not available.	Not available.
3) Sodium Xylene Sulfonate	1300-72-7	<7	Not available.	Not available.
4) Monoethanolamine	141-43-5	<5	TWA: 3 (ppm) TWA: 6 (ppm) from OSHA (PEL) [United States] STEL: 6 (ppm)	Not available.

Section 3-Physical and Chemical Properties

Boiling point	214°F initial	Specific Gravity	1.04 (Water = 1)
Vapor Pressure	20mm Hg @ 68°F	Vapor density:	>1 (Air = 1)
Volatility	90	pH	13.5 to 14 [Basic.]
Solubility	Easily soluble in cold water.	Evaporation Rate	<1 compared to Water
Physical State and Appearance	Odor		

Liquid. (Liquid.) Colorless. Characteristic.

Section 5 - Reactivity Data

Stability	The product is stable.
Incompatibility	acids, oxidizing materials, metals
Hazardous Decomposition Products	Not available.
Hazardous Polymerization	

Section 4-Fire/Explosion Hazards

Flash points (closed cup)	Not available.	Explosion Limits
Extinguishing media	Non-flammable substance.	Not available.
Fire-Fighting Measures	Wear full protective clothing Use extinguishing media indicated.	
Explosion Hazards	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.	

Section 6-Storage

Precautions to be taken in handling and storage  
Do not ingest. Wash thoroughly after handling. Avoid contact with skin and eyes  
  
Corrosive materials should be stored in a separate safety storage cabinet or room. Handle and open container with care. Keep out of the reach of children. Not for use or storage in or around the home.

Section 7-Health Hazards/ FIRST AID

Chronic Effects:  
ROUTES OF ENTRY

May aggravate existing respiratory conditions such as asthma. Severe over exposure may cause nervous system damage and kidney damage. Repeated or prolonged exposure to the substance may produce liver damage, blood disorders.

FIRST AID MEASURES

Rinse skin immediately with plenty of water for 15 to 20 minutes.

Avoid contact with eyes. Call a poison control center or doctor immediately for treatment advice. Hold eye open and flush slowly and thoroughly with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible.

Call a poison control center immediately for treatment advice. Have person sip a glass of water if able to swallow. Do NOT induce vomiting unless instructed to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Medical Conditions aggravated by Exposure Not Available

Section 8- Personal Protection

Protective Clothing

Eye/Face Protection	Splash goggles.
Hand/Arm Protection	Gloves (impervious).
Respiratory Protection	Wear appropriate respirator when conditions are hazardous. See note to use a NIOSH/MSHA approved respirator or equivalent.
Other Special Considerations	Boots.

Ventilation

Good general ventilation should be sufficient to control airborne levels.

Section 9-Large Spill and Leak

Methods for cleaning up Spill

Corrosive liquid. Do not touch damaged container or spilled material. Isolate the area, do not attempt to clean-up spill, notify your manager for additional instructions.

Methods of disposal

Any method in accordance with applicable laws.

SARA 313

SARA 313 toxic chemical notification and release reporting: 2-Butoxyethanol

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**90700500**

**H & H ScuffGuard  
Floor Wax**



Material Safety Data Sheet  
Prepared in Accordance with 29 CFR 1910.1200

H & H CHEMICAL COMPANY  
4211 Common Street  
Lake Charles, LA 70607

7/2/2003.

Section 1 - Product and Company Identification

Code: \_\_\_\_\_  
Product Name **SCUFFGARD**  
Generic Description **Floor Finish**  
Supplier **H&H CHEMICAL**  
Chemical Family **Not Applicable**  
Formula **N/A**  
Phone: **337-474-2775**  
Emergency phone: **1-800-926-7627**  
NPCA Hazardous Material Identification System  
Health **★ 2**  
Flammability **0**  
Physical Hazard **0**

Section 2 - Ingredients:

Ingredient Name	CAS #	% by Weight	TLV/PEL	Carcinogenic Effects
1) Water	7732-18-5	>50	Not available.	Not available.
2) Acrylic Copolymer	N/A	45-50	Not available.	Not available.
3) Polyethylene Wax Emulsion	N/A	0-5	Not available.	Not available.
4) Diethylene Glycol Ethyl Ether	111-90-0	0-5	TWA: 25 (ppm)	Not available.
5) Dipropylene Glycol Methyl Ether	34590-94-8	0-5	Not available.	Not available.
6) Tributoxyethyl Phosphate	78-51-3	0-5	Not available.	Not available.
7) Dispersion of Fluorochemicals in Water	N/A	0-5	Not available.	Not available.
8) Optical Brightener	N/A	0-5	Not available.	Not available.
9) Zinc Ammonium Carbonate compound	38714-47-5	0-5	Not available.	Not available.

Section 3 - Physical and Chemical Properties

Boiling point	100°C (212°F)	Specific Gravity	1.03 (Water = 1)
Vapor Pressure	Not available.	Vapor density:	>1 (Air = 1)
Volatility	75% (v/v).	pH	8.2 to 8.9 [Basic]
Solubility	Not available.	Evaporation Rate	<1 compared to Water
Physical State and Appearance	Liquid. Grayish white. Characteristic.		

Section 5 - Reactivity Data

Stability: The product is stable.  
Compatibility: No incompatible product according to our data base.  
Hazardous Decomposition Products: Not available.  
Hazardous Polymerization: Will not occur.

Section 4 - Fire/Explosion Hazards

Flash points (closed cup): Not applicable. Explosion Limits  
Extinguishing media: Non-flammable substance. Not applicable.  
Fire-Fighting Measures: Wear full protective clothing Use extinguishing media indicated.  
Explosion Hazards: Not Applicable

Section 6 - Storage

Precautions to be taken in handling and storage:  
Avoid breathing vapors or spray mists.  
Keep out of the reach of children. Not for use or storage in or around the home.

Section 7 - Health Hazards/ FIRST AID

Chronic Effects: Repeated skin exposure can produce local skin destruction, or dermatitis.  
ROUTES OF ENTRY  
Skin: Skin and eye irritant.  
Eyes: This product is an eye irritant.  
Inhalation: not available  
Ingestion: Harmful if swallowed.  
Medical Conditions aggravated by Exposure: Repeated or prolonged exposure is not known to aggravate medical condition.  
FIRST AID MEASURES  
Repeated skin exposure can produce local skin destruction, or dermatitis. Rinse with plenty of running water. Seek medical attention. If irritation persists.  
In case of contact with eyes, rinse immediately with plenty of water.  
No specific data.  
Have conscious person drink several glasses of water or milk. Seek IMMEDIATE medical attention.

Section 8 - Personal Protection

Protective Clothing	Ventilation
Eye/Face Protection: Safety glasses.	Good general ventilation should be sufficient to control airborne levels.
Hand/Arm Protection: Gloves.	
Respiratory Protection: Not applicable.	
Other Special Considerations: Not applicable.	

Section 9 - Large Spill and Leak

Methods for cleaning up Spill	Methods of disposal
Prevent entry into sewers, basements or confined areas. Absorb with an inert material and put the spilled material in an appropriate waste disposal.	Waste must be disposed of in accordance with federal, state and local environmental control regulations.

SARA 313

SARA 313 toxic chemical notification and release reporting: Diethylene Glycol Ethyl Ether

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Emergency Response#  
1-800-926-7627

**90700510**

**H & H StoneGuard  
Floor Sealer**



# Material Safety Data Sheet

## Emergency Response

**H&H Chemical Company**

**1-800-926-7627**

### Section 1 - Product and Company Identification

Code:	652	Chemical Family	Not available.	NFPA Hazardous Material Identification System	
Product Name	Stonegard	Formula	Not applicable.	Health	* 2
Generic Description	Sealer / Finish for Multiple Floor Surfaces	Phone:	(337) 474-2775	Flammability	0
Supplier	H&H Chemical Company P.O. Box 7369 Lake Charles, LA 70606	Emergency phone:	1-800-926-7627	Physical Hazard	0

### Section 2 - Ingredients:

Ingredient Name	CAS #	% by Weight	TLV/PEL	Carcinogenic Effects
1) Water	7732-18-5	>45	Not available.	Not available.
2) Acrylic Copolymer	N/A	40-45	Not available.	Not available.
3) Polyethylene Emulsion	N/A	5-10	Not available.	Not available.
4) Tributoxyethyl Phosphate	78-51-3	0-5	Not available.	Not available.
5) Diethylene Glycol Ethyl Ether	111-90-0	0-5	TWA: 25 (ppm)	Not available.
6) Dispersion of Fluorochemicals in Water	N/A	0-5	Not available.	Not available.

### Section 3 - Physical and Chemical Properties

Boiling point	Not available.	Specific Gravity	1.032 (Water = 1)
Vapor Pressure	Not available.	Vapor density:	>1
Volatility	78% (w/w).	pH	8.5 - 9.0
Solubility	Soluble in water	Evaporation Rate	(Water=1): <1
Physical State and Appearance	Odor		

Liquid White. Characteristic.

### Section 5 - Reactivity Data

Stability	The product is stable.
Incompatibility	not available
Hazardous Decomposition Products	Not available.
Hazardous Polymerization	Not available.

### Section 4 - Fire/Explosion Hazards

Flash points (closed cup)	Not Applicable	Explosion Limits
Extinguishing media	Non-flammable substance.	Not Applicable
Fire-Fighting Measures	Wear full protective clothing Use extinguishing media indicated.	
Explosion Hazards	Not Applicable	

### Section 6 - Storage

Precautions to be taken in handling and storage  
Avoid breathing vapors or spray mists.  
Keep out of the reach of children. Not for use or storage in or around the home.

### Section 7 - Health Hazards/ FIRST AID

Chronic Effects: Repeated skin exposure can produce local skin destruction, or dermatitis.

#### ROUTES OF ENTRY

Skin	May cause skin irritation.
Eyes	Mildly irritating to the eyes.
Inhalation	not available
Ingestion	May cause nausea, vomiting and diarrhea.

Medical Conditions aggravated by Exposure Repeated or prolonged exposure is not known to aggravate medical condition.

#### FIRST AID MEASURES

Avoid contact with skin and eyes. After contact with skin, wash immediately with plenty of water.  
In case of contact with eyes, rinse immediately with plenty of water.  
No specific data.  
Call a poison control center immediately for treatment advice.

### Section 8 - Personal Protection

Protective Clothing		Ventilation
Eye/Face Protection	Safety glasses.	Good general ventilation should be sufficient to control airborne levels.
Hand/Arm Protection	Gloves.	
Respiratory Protection	Wear appropriate respirator when ventilation is inadequate.	
Other Special Considerations	No special protective clothing is required.	

### Section 9 - Large Spill and Leak

#### Methods for cleaning up Spill

Absorb with an inert material and put the spilled material in an appropriate waste disposal.

SARA 313

#### Methods of disposal

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

SARA 313 toxic chemical notification and release reporting: Diethylene Glycol Ethyl Ether; Formaldehyde <0.1%

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

**90102240**

**Zep ReFresh II**  
**Staph-Kil Disinfectant**

# Material Safety Data Sheet



Superior Solutions

Zep Inc.  
1310 Seaboard Industrial Blvd.  
Atlanta, GA 30318  
1-877-I-BUY-ZEP (428-9937)  
www.zep.com

## Section 1. Chemical Product and Company Identification

**Product name** ZEP SPIRIT II READY-TO-USE  
DETERGENT DISINFECTANT

**Product use** Cleaner - Disinfectant - Deodorant.

**Product code** 0679

**Date of issue** 08/13/08 **Supersedes** 11/08/04

This product is a registered pesticide. EPA ID No. 1839-83-1270

## Emergency Telephone Numbers

### For MSDS Information:

Compliance Services 1-877-I-BUY-ZEP (428-9937)

### For Medical Emergency

INFOTRAC: (877) 541-2016 Toll Free - All Calls  
Recorded

### For Transportation Emergency

CHEMTREC: (800) 424-9300 - All Calls Recorded  
In the District of Columbia (202) 483-7616

### Prepared By

Compliance Services  
1420 Seaboard Industrial Blvd.  
Atlanta, GA 30318

CALCASIEU PARISH SCHOOL BOARD  
3310 BROAD STREET  
JANITORIAL WAREHOUSE  
LAKE CHARLES LA 70615

Printing date: 05/26/09

## Section 2. Hazards Identification

### Emergency overview

CAUTION !

CAUSES EYE IRRITATION.

\*Hazard Determination System (HDS): Health, Flammability, Reactivity

1

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NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.

### Acute Effects

#### Routes of Entry

Dermal contact. Eye contact.

**Eyes** Causes eye irritation. Inflammation of the eye is characterized by redness, watering and itching.

**Skin** May cause skin irritation. Skin inflammation is characterized by itching, scaling, or reddening.

**Inhalation** Avoid breathing vapors, spray or mists. Over-exposure by inhalation may cause respiratory irritation.

**Ingestion** May be harmful if swallowed. Ingestion may cause gastrointestinal irritation and diarrhea.

### Chronic effects

Prolonged or repeated contact may dry skin and cause irritation. Contains material which may cause damage to the following organs: blood, kidneys, liver.

Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

Additional Information: See Toxicological Information (Section 11)

## Section 3. Composition/Information on Ingredients

DIETHYLENE GLYCOL MONOBUTYL ETHER; 2-(2-butoxyethoxy)-ethanol; butyl carbitol	112-34-5	1 - 10
TETRASODIUM ETHYLENEDIAMINE TETRAACETATE; ethylenediamine tetraacetic acid; tetrasodium salt	64-02-8	1 - 5
QUATERNARY AMMONIUM CHLORIDES; blend of alkyl dimethylbenzyl ammonium chlorides, alkyl dimethyl ethylbenzyl ammonium chlorides, and ethanol	68391-01-5; 68956-79-6; 64-17-5	<1

## Section 4. First Aid Measures

**Eye Contact** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention immediately.

**Skin Contact** Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation develops.

**Inhalation** Move exposed person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Ingestion** Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If affected person is conscious, give plenty of water to drink. Get medical attention immediately.



**Section 12. Ecological Information****Environmental Effects** Toxic to aquatic organisms.**Aquatic Ecotoxicity**

Product/ingredient name	Test	Result	Species	Exposure
Quaternary Ammonium Chlorides	-	Acute EC50 0.058 mg/L	Daphnia	48 hours
	-	Acute LC50 0.52 mg/L	Fish - Bluegill	96 hours

**Section 13. Disposal Considerations****Waste Information**

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

**Waste Stream** Non-hazardous waste**Section 14. Transport Information**

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label
DOT Classification	Not regulated.	Not a DOT controlled material (United States).			
IMDG Class	Not determined.				

NOTE: DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

PG\* : Packing group

**Section 15. Regulatory Information****U.S. Federal Regulations**

SARA 313 toxic chemical notification and release reporting:

**Product name**

Diethylene Glycol Monobutyl Ether

**Clean Water Act (CWA) 307:** No products were found.

**Clean Water Act (CWA) 311:** No products were found.

**Clean Air Act (CAA) 112 regulated toxic substances:** Diethylene Glycol Monobutyl Ether

All Components of this product are listed or exempt from listing on TSCA Inventory.

**State Regulations**

**California Prop 65** No products were found.

**Section 16. Other Information**

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*

\*NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.



# Material Safety Data Sheet



Superior Solutions

Zep Inc.  
1310 Seaboard Industrial Blvd.  
Atlanta, GA 30318  
1-877-I-BUY-ZEP (428-9937)  
www.zep.com

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DETERGENT DISINFECTANT

**Product use** Cleaner - Disinfectant - Deodorant.

**Product code** 0679

**Date of issue** 08/13/08 **Supersedes** 11/08/04

This product is a registered pesticide. EPA ID No. 1839-83-1270



00208

B327

CALCASIEU PARISH SCHOOL BOARD  
JANITORIAL WAREHOUSE  
3310 BROAD ST  
LAKE CHARLES LA 70615

Printing date: 02/18/09

## Emergency Telephone Numbers

**For MSDS Information:**  
Compliance Services 1-877-I-BUY-ZEP (428-9937)

**For Medical Emergency**  
INFOTRAC: (877) 541-2016 Toll Free - All Calls  
Recorded

**For Transportation Emergency**  
CHEMTREC: (800) 424-9300 - All Calls Recorded  
In the District of Columbia (202) 483-7616

**Prepared By**  
Compliance Services  
1420 Seaboard Industrial Blvd.  
Atlanta, GA 30318

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### Emergency overview

**CAUTION !**

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\*Hazard Determination System (HDS): Health, Flammability, Reactivity

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0

**NOTE:** MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.

### Acute Effects

#### Routes of Entry

Dermal contact. Eye contact.

**Eyes** Causes eye irritation. Inflammation of the eye is characterized by redness, watering and itching.

**Skin** May cause skin irritation. Skin inflammation is characterized by itching, scaling, or reddening.

**Inhalation** Avoid breathing vapors, spray or mists. Over-exposure by inhalation may cause respiratory irritation.

**Ingestion** May be harmful if swallowed. Ingestion may cause gastrointestinal irritation and diarrhea.

### Chronic effects

Prolonged or repeated contact may dry skin and cause irritation. Contains material which may cause damage to the following organs: blood, kidneys, liver.

Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

**Additional Information:** See Toxicological Information (Section 11)

## Section 3. Composition/Information on Ingredients

DIETHYLENE GLYCOL MONOBUTYL ETHER; 2-(2-butoxyethoxy)-ethanol; butyl carbitol	112-34-5	1 - 10
TETRASODIUM ETHYLENEDIAMINE TETRAACETATE; ethylenediamine tetraacetic acid; tetrasodium salt	64-02-8	1 - 5
QUATERNARY AMMONIUM CHLORIDES; blend of alkyl dimethylbenzyl ammonium chlorides, alkyl dimethyl ethylbenzyl ammonium chlorides, and ethanol	68391-01-5; 68956-79-6; 64-17-5	<1

## Section 4. First Aid Measures

**Eye Contact** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention immediately.

**Skin Contact** Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation develops.

**Inhalation** Move exposed person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Ingestion** Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If affected person is conscious, give plenty of water to drink. Get medical attention immediately.

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Product/ingredient name	Test	Result	Species	Exposure
Quaternary Ammonium Chlorides	-	Acute EC50 0.058 mg/l.	Daphnia	48 hours
	-	Acute LC50 0.52 mg/l.	Fish - Bluegill.	96 hours

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Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

**Waste Stream** Non-hazardous waste**Section 14. Transport Information**

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label
DOT Classification	Not regulated.	Not a DOT controlled material (United States).			
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**NOTE:** DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

PG\* : Packing group

**Section 15. Regulatory Information****U.S. Federal Regulations**

SARA 313 toxic chemical notification and release reporting:

**Product name**

Diethylene Glycol Monobutyl Ether

**Clean Water Act (CWA) 307:** No products were found.**Clean Water Act (CWA) 311:** No products were found.**Clean Air Act (CAA) 112 regulated toxic substances:** Diethylene Glycol Monobutyl Ether

All Components of this product are listed or exempt from listing on TSCA Inventory.

**State Regulations****California Prop 65** No products were found.**Section 16. Other Information**

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\*NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.



ZEP Manufacturing Company  
Acuity Specialty Products Group, Inc.  
P.O. Box 2015  
Atlanta, GA 30301  
1-877-I-BUY-ZEP (428-9937)

# Material Safety Data Sheet

## and Safe Handling and Disposal Information

### Section 1. Chemical Product and Company Identification

Product name **ZEP REFRESH II**  
Product Use Disinfectant.  
Product Code **1781**  
Date of issue **09/17/04** Supersedes **05/31/00**

This product is a registered pesticide. Number: 1270-237

#### Emergency For MSDS Information:

Telephone Acuity Specialty Products Group, Inc.  
Numbers Compliance Services 1-877-I-BUY-ZEP (428-9937)

#### For Medical Emergency

INFOTRAC:

(877) 541-2016 Toll Free - All Calls Recorded

#### For a Transportation Emergency

CHEMTREC:

(800) 424-9300 - All Calls Recorded

In the District of Columbia (202) 483-7616

Prepared by Compliance Services Group  
Acuity Specialty Products Group  
1420 Seaboard Industrial Blvd.  
Atlanta, GA 30318

Printing date: 05/13/08



00332

B327

CALCASIEU PARISH SCHOOL BOARD  
JANITORIAL WAREHOUSE  
3310 BROAD ST  
LAKE CHARLES LA 70615

### Section 2. Composition, Information on Ingredients

Name of Hazardous Ingredients	CAS #	% by Weight	Exposure Limits
ETHANOL; ethyl alcohol; grain alcohol	64-17-5	66.825	OSHA (United States). TWA: 1000 ppm
O-PHENYL PHENOL; 2-hydroxy biphenyl; 2-biphenylol	90-43-7	0.216	Not established
Para-Tertiary Amyl Phenol; p-Tertiary amylphenol; PTAP	80-46-6	0.054	ACGIH TLV (United States). TWA: 10 mg/m <sup>3</sup> 8 hour(s). Form: Dust

### Section 3. Hazards Identification

#### Acute Effects

Routes of Entry Dermal contact. Eye contact.

**Skin** Hazardous in case of skin contact (irritant, sensitizer, permeator). Harmful if absorbed through the skin. Prolonged or repeated contact may dry skin and cause irritation. May cause allergic skin reactions with repeated exposure.

**Eyes** Hazardous in case of eye contact (irritant). Inflammation of the eye is characterized by redness, watering, and itching.

**Inhalation** Avoid breathing vapors or spray mists. Over-exposure by inhalation may cause respiratory irritation.

**Ingestion** Harmful if swallowed.

#### HMIS

Health	1
Fire Hazard	3
Reactivity	0
Personal Protection	B

#### Carcinogenic Effects

Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

#### Chronic Effects

The substance may be toxic to kidneys, liver, central nervous system (CNS), optic nerve. Repeated or prolonged exposure to the substance can produce target organs damage.

See Toxicological Information (section 11)

### Section 4. First Aid Measures

#### Eye Contact

Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention.

#### Skin Contact

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation develops.

#### Inhalation

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

#### Ingestion

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**Section 14. Transport Information**

Proper shipping name FLAMMABLE LIQUIDS, N.O.S. (Ethanol)

DOT Classification 3

UN number 1993

**Section 15. Regulatory Information**U.S. Federal Regulations SARA 313 toxic chemical notification and release reporting:  
o-Phenyl Phenol

Clean Water Act (CWA) 311: No products were found.

Clean air act (CAA) 112 regulated toxic substances: No products were found.

**State Regulations**

California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: o-Phenyl Phenol

**Section 16. Other Information**

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**90200620**

**Hi Yield**  
**Fire Ant Killer Granuals**

# MATERIAL SAFETY DATA SHEET



In the event of a medical or chemical emergency contact  
ChemTel, Inc. North American 1-800-255-3924 or worldwide  
Intl. + 01-813-248-0585

Voluntary Purchasing Groups, Inc.  
230 FM 87  
Bonham, Texas 75418

Effective Date: August 23, 2012

## Hi-Yield® Kill-A-Bug II Lawn Granules

### 1. PRODUCT AND COMPANY IDENTIFICATION:

**PRODUCT:** Hi-Yield® Kill-A-Bug II Lawn Granules  
**EPA No.:** 7401-453

#### COMPANY IDENTIFICATION:

Voluntary Purchasing Groups, Inc.  
230 FM 87  
Bonham, TX. 75418

### 2. COMPOSITION / INFORMATION ON INGREDIENTS:

INGREDIENTS:	CAS. REG. #	APPROX. %
Permethrin	52645-53-1	0.5%
Inert Ingredients		99.5%

### 3. PHYSICAL AND CHEMICAL CHARACTERISTICS:

MELTING/FREEZING POINT:	N/A	VAPOR PRESSURE (mm/Hg):	N/A
VAPOR DENSITY (air=1):	N/A	SOLUBILITY IN WATER:	Soluble
Ph:	6.7 – 7.0	EVAPORATION RATE:	N/A
APPEARANCE AND ODOR:	A brown granular solid; mild odor.		
DENSITY:	0.42 g/cm <sup>3</sup> (fluffed)	0.47 g/cm <sup>3</sup> (compacted)	

### 4. FIRE AND EXPLOSION DATA:

**FLASH POINT:** >93°C (>200°F)  
**EXTINGUISHER MEDIA:** Carbon Dioxide, Dry Chemical, Foam or Water.  
As in any fire, wear self-contained breathing apparatus pressure-demand,  
MSHA/NIOSH approved (or equivalent) and full protective gear.

### 5. SPECIAL FIRE FIGHTING PROCEDURES:

**STABILITY:** Stable: Yes Unstable: ----  
**CONDITIONS TO AVOID:** N/A  
**HAZARDOUS POLYMERIZATION:** Will not occur.  
**CONDITIONS TO AVOID (POLY):** N/A

### 6. HEALTH HAZARDS:

#### A. ROUTE OF ENTRY

Inhalation: No      **Eyes:** Yes  
Ingestion: No      **Skin:** Yes

#### B. HEALTH HAZARDS: Causes moderate eye irritation.

#### C. CARCINOGENIC: No known chronic effects expected from normal use of this product.

#### D. EMERGENCY FIRST AID PROCEDURES:

**Skin:** Wash thoroughly with soap and water after handling.  
**Eyes:** Flush with plenty of water. Call a physician if irritation persists.

### 7. SPECIAL PRECAUTIONS & SPILL/LEAK PROCEDURES:

**STEPS TO BE TAKEN IN CASE MATERIAL IS LEAKED OR SPILLED:** Sweep up and dispose of with chemical waste.

# MATERIAL SAFETY DATA SHEET



## Hi-Yield® Kill-A-Bug II Lawn Granules

In the event of a medical or chemical emergency contact  
ChemTel, Inc. North American 1-800-255-3924 or worldwide  
Intl. + 01-813-248-0585

Voluntary Purchasing Groups, Inc.  
230 FM 87  
Bonham, Texas 75418

Effective Date: August 23, 2012

### 8. SPECIAL PROTECTION/CONTROL MEASURES:

**PROTECTIVE GLOVES:** Chemical resistant gloves.  
**EYE PROTECTION:** Safety glasses.  
**WORK/HYGIENIC PRACTICES:** Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

### 9. ENVIRONMENTAL EFFECTS DATA:

This product is toxic to fish. Do not apply directly to water. Drifts and runoffs from treated areas may be hazardous to aquatic organisms in treated areas. Do not contaminate water when disposing of equipment washwaters.

### 10. STORAGE, DISPOSAL AND HANDLING:

**STORAGE:** Store product in its original container in a cool, dry, locked place out of reach of children.  
**DISPOSAL:** Completely empty bag into application equipment. Do not reuse empty container. Wrap bag and put in trash collection.  
**HANDLING:** Avoid contamination of feed and foodstuffs. Keep children and pets off treated areas until this material is washed into turf and grass is dry.

### 11. TRANSPORTATION INFORMATION:

DEPARTMENT OF TRANSPORTATION (DOT) CLASSIFICATION: Not regulated by DOT in our non-bulk package when shipped by highway or railroad.

US SURFACE FREIGHT CLASS: Insecticides, NOI, other than Poison, NMFC item 102120

INTERNATIONAL MARITIME DANGEROUS GOODS (IMDG) CLASSIFICATION: When this product is shipped by water (non-bulk or bulk), it is regulated as follows:

Proper Shipping Name: Environmentally hazardous substance, solid, n.o.s. (Permethrin)

Class: 9  
UN No.: UN 3077  
Packing Group: III  
Marine Pollutant: Permethrin

### 12. ADDITIONAL INFORMATION:

The information contained within was obtained from authoritative sources and is believed to be accurate for the manner in which the product is intended to be used. Other uses could result in ramifications which are not included within this document.



**90300200**

**Round-Up**  
**Herbicide**  
**(Weed Killer)**



# MONSANTO COMPANY

## Material Safety Data Sheet Commercial Product

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name**

**Roundup PRO® Concentrate Herbicide**

**EPA Reg. No.**

524-529

**Chemical name**

Not applicable.

**Synonyms**

None.

**Company**

MONSANTO COMPANY, 800 N. Lindbergh Blvd., St. Louis, MO, 63167

**Telephone:** 800-332-3111, **Fax:** 314-694-5557

**Emergency numbers**

FOR CHEMICAL EMERGENCY, SPILL LEAK, FIRE, EXPOSURE, OR ACCIDENT Call CHEMTREC - Day or Night: 1-800-424-9300 toll free in the continental U.S., Puerto Rico, Canada, or Virgin Islands. For calls originating elsewhere: 703-527-3887 (collect calls accepted).

FOR MEDICAL EMERGENCY - Day or Night: +1 (314) 694-4000 (collect calls accepted).

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

**Active ingredient**

Isopropylamine salt of N-(phosphonomethyl)glycine; {Isopropylamine salt of glyphosate}

**Composition**

COMPONENT	CAS No.	% by weight (approximate)
Isopropylamine salt of glyphosate	38641-94-0	50.2
Other ingredients		49.8

The specific chemical identity is being withheld because it is trade secret information of Monsanto Company.

**OSHA Status**

This product is hazardous according to the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

### 3. HAZARDS IDENTIFICATION

**Emergency overview**

**Appearance and odour (colour/form/odour):** Amber - Brown / Liquid, (viscous) / Slight

CAUTION!

CAUSES MODERATE EYE IRRITATION

**Potential health effects**

**Likely routes of exposure**

Skin contact, eye contact, inhalation

**Eye contact, short term**

May cause temporary eye irritation.

**Skin contact, short term**

Not expected to produce significant adverse effects when recommended use instructions are followed.

**Inhalation, short term**

Not expected to produce significant adverse effects when recommended use instructions are followed.

Refer to section 11 for toxicological and section 12 for environmental information.

---

**4. FIRST AID MEASURES**

**Eye contact**

Immediately flush with plenty of water.  
Continue for at least 15 minutes.  
If easy to do, remove contact lenses.  
If there are persistent symptoms, obtain medical advice.

**Skin contact**

Immediately wash affected skin with plenty of water.  
Take off contaminated clothing, wristwatch, jewellery.  
Wash clothes and clean shoes before re-use.

**Inhalation**

Remove to fresh air.

**Ingestion**

Immediately offer water to drink.  
Never give anything by mouth to an unconscious person.  
Do NOT induce vomiting unless directed by medical personnel.  
If symptoms occur, get medical attention.

**Advice to doctors**

This product is not an inhibitor of cholinesterase.

**Antidote**

Treatment with atropine and oximes is not indicated.

---

**5. FIRE-FIGHTING MEASURES**

**Flash point**

None.

**Extinguishing media**

Recommended: Water, foam, dry chemical, carbon dioxide (CO<sub>2</sub>)

**Unusual fire and explosion hazards**

Minimise use of water to prevent environmental contamination.  
Environmental precautions: see section 6.

**Hazardous products of combustion**

Carbon monoxide (CO), nitrogen oxides (NO<sub>x</sub>), phosphorus oxides (P<sub>x</sub>O<sub>y</sub>)

**Fire fighting equipment**

Self-contained breathing apparatus.  
Equipment should be thoroughly decontaminated after use.

---

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions**

Use personal protection recommended in section 8.

### Environmental precautions

#### SMALL QUANTITIES:

Low environmental hazard.

#### LARGE QUANTITIES:

Minimise spread.

Contain spillage with sand bags or other means.

Keep out of drains, sewers, ditches and water ways.

Notify authorities.

### Methods for cleaning up

Absorb in earth, sand or absorbent material.

Dig up heavily contaminated soil.

Collect in containers for disposal.

Refer to section 7 for types of containers.

Flush residues with small quantities of water.

Minimise use of water to prevent environmental contamination.

Refer to section 13 for disposal of spilled material.

---

## 7. HANDLING AND STORAGE

Good industrial practice in housekeeping and personal hygiene should be followed.

### Storage

Compatible materials for storage: stainless steel, aluminium, fibreglass, plastic

Incompatible materials for storage: unlined mild steel, galvanised steel, see section 10.

Keep out of reach of children.

Keep away from food, drink and animal feed.

Keep only in the original container.

Shelf life currently under test.

Recommended maximum shelf life: 2 years.

Follow all local/regional/national/international regulations.

---

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Airborne exposure limits

Components	Exposure Guidelines
Isopropylamine salt of glyphosate	No specific occupational exposure limit has been established.
Other ingredients	No specific occupational exposure limit has been established.

### Engineering controls

No special requirement when used as recommended.

### Eye protection

If there is significant potential for contact:

Wear chemical goggles.

Applicators and other handlers must wear eye protection.

### Skin protection

If repeated or prolonged contact:

Wear chemical resistant gloves.

### Respiratory protection

No special requirement when used as recommended.

When recommended, consult manufacturer of personal protective equipment for the appropriate type of equipment for a given application.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

Colour/colour range:	Amber - Brown
Form:	Liquid, (viscous)
Odour:	Slight
Flash point:	None.
Specific gravity:	1.199
pH:	4.8

## 10. STABILITY AND REACTIVITY

### Stability

Stable under normal conditions of handling and storage.

### Hazardous decomposition

Thermal decomposition: Hazardous products of combustion: see section 5.

### Materials to avoid/Reactivity

Reacts with galvanised steel or unlined mild steel to produce hydrogen, a highly flammable gas that could explode.

## 11. TOXICOLOGICAL INFORMATION

This section is intended for use by toxicologists and other health professionals.

Data obtained on similar products and on components are summarized below.

### Similar formulation

#### Acute oral toxicity

Rat, LD50: > 5,000 mg/kg body weight

Practically non-toxic.

FIFRA category IV.

#### Acute dermal toxicity

Rat, LD50: > 5,000 mg/kg body weight

Practically non-toxic.

FIFRA category IV.

#### Skin irritation

Rabbit, 6 animals, OECD 404 test:

Days to heal: 10

Primary Irritation Index (PII): 1.7/8.0

Slight irritation.

FIFRA category IV.

#### Eye irritation

Rabbit, 6 animals, OECD 405 test:

Days to heal: 7

Moderate irritation.



FIFRA category III.

**Acute inhalation toxicity**

**Rat, LC50, 4 hours, aerosol:**

Practically non-toxic.

FIFRA category IV.

No 4-hr LC50 at the maximum achievable concentration.

**Skin sensitization**

**Guinea pig, Buehler test:**

Positive incidence: 0 %

Negative.

No skin sensitization

**N-(phosphonomethyl)glycine; {glyphosate}**

**Mutagenicity**

**In vitro and in vivo mutagenicity test(s):**

Not mutagenic.

**Repeated dose toxicity**

**Rabbit, dermal, 21 days:**

NOAEL toxicity: > 5,000 mg/kg body weight/day

Target organs/systems: none

Other effects: none

**Rat, oral, 3 months:**

NOAEL toxicity: > 20,000 mg/kg diet

Target organs/systems: none

Other effects: none

**Chronic effects/carcinogenicity**

**Mouse, oral, 24 months:**

NOEL tumour: > 30,000 mg/kg diet

NOAEL toxicity: ~ 5,000 mg/kg diet

Tumours: none

Target organs/systems: liver

Other effects: decrease of body weight gain, histopathologic effects

**Rat, oral, 24 months:**

NOEL tumour: > 20,000 mg/kg diet

NOAEL toxicity: ~ 8,000 mg/kg diet

Tumours: none

Target organs/systems: eyes

Other effects: decrease of body weight gain, histopathologic effects

**Toxicity to reproduction/fertility**

**Rat, oral, 2 generations:**

NOAEL toxicity: 10,000 mg/kg diet

NOAEL reproduction: > 30,000 mg/kg diet

Target organs/systems in parents: none

Other effects in parents: decrease of body weight gain

Target organs/systems in pups: none

Other effects in pups: decrease of body weight gain

Effects on offspring only observed with maternal toxicity.

**Developmental toxicity/teratogenicity**

**Rat, oral, 6 - 19 days of gestation:**

NOAEL toxicity: 1,000 mg/kg body weight

NOAEL development: 1,000 mg/kg body weight

Other effects in mother animal: decrease of body weight gain, decrease of survival

Developmental effects: weight loss, post-implantation loss, delayed ossification

Effects on offspring only observed with maternal toxicity.

**Rabbit, oral, 6 - 27 days of gestation:**

NOAEL toxicity: 175 mg/kg body weight

NOAEL development: 175 mg/kg body weight  
Target organs/systems in mother animal: none  
Other effects in mother animal: decrease of survival  
Developmental effects: none

---

## 12. ECOLOGICAL INFORMATION

This section is intended for use by ecotoxicologists and other environmental specialists.

Data obtained on similar products and on components are summarized below.

### Similar formulation

#### Aquatic toxicity, fish

##### **Rainbow trout (*Oncorhynchus mykiss*):**

Acute toxicity, 96 hours, static, LC50: 5.4 mg/L  
Moderately toxic.

##### **Bluegill sunfish (*Lepomis macrochirus*):**

Acute toxicity, 96 hours, static, LC50: 7.3 mg/L  
Moderately toxic.

#### Aquatic toxicity, invertebrates

##### **Water flea (*Daphnia magna*):**

Acute toxicity, 48 hours, static, EC50: 11 mg/L  
Slightly toxic.

#### Avian toxicity

##### **Mallard duck (*Anas platyrhynchos*):**

Dietary toxicity, 5 days, LC50: > 5,620 mg/kg diet  
Practically non-toxic.

##### **Bobwhite quail (*Colinus virginianus*):**

Dietary toxicity, 5 days, LC50: > 5,620 mg/kg diet  
Practically non-toxic.

#### Arthropod toxicity

##### **Honey bee (*Apis mellifera*):**

Oral/contact, 48 hours, LD50: > 100 µg/bee  
Practically non-toxic.

#### Soil organism toxicity, invertebrates

##### **Earthworm (*Eisenia foetida*):**

Acute toxicity, 14 days, LC50: > 1,250 mg/kg soil  
Practically non-toxic.

### Isopropylamine salt of glyphosate (62%)

#### Aquatic toxicity, algae/aquatic plants

##### **Green algae (*Scenedesmus subspicatus*):**

Acute toxicity, 72 hours, static, EbC50 (biomass): 72.9 mg/L  
Slightly toxic.

### N-(phosphonomethyl)glycine: {glyphosate}

#### Bioaccumulation

##### **Bluegill sunfish (*Lepomis macrochirus*):**

Whole fish: BCF: < 1  
No significant bioaccumulation is expected.

#### Dissipation

##### **Soil, field:**

Half life: 2 - 174 days

Koc: 884 - 60,000 L/kg  
Adsorbs strongly to soil.

**Water, aerobic:**

Half life: < 7 days

---

### 13. DISPOSAL CONSIDERATIONS

#### Product

Recycle if appropriate facilities/equipment available.  
Burn in special, controlled high temperature incinerator.  
Keep out of drains, sewers, ditches and water ways.  
Follow all local/regional/national/international regulations.

#### Container

See the individual container label for disposal information.  
Triple or pressure rinse empty containers.  
Pour rinse water into spray tank.  
Store for collection by approved waste disposal service.  
Recycle if appropriate facilities/equipment available.  
Emptied containers retain vapour and product residue.  
Observe all labelled safeguards until container is cleaned, reconditioned or destroyed.  
Follow all local/regional/national/international regulations.

---

### 14. TRANSPORT INFORMATION

The data provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment for transportation.

Not hazardous under the applicable DOT, ICAO/IATA, IMO, TDG and Mexican regulations.

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### 15. REGULATORY INFORMATION

#### TSCA Inventory

All components are on the US EPA's TSCA Inventory

#### OSHA Hazardous Components

Surfactant(s)

#### SARA Title III Rules

Section 311/312 Hazard Categories  
Immediate  
Section 302 Extremely Hazardous Substances  
Not applicable.  
Section 313 Toxic Chemical(s)  
Not applicable.

#### CERCLA Reportable quantity

Not applicable.

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### 16. OTHER INFORMATION

The information given here is not necessarily exhaustive but is representative of relevant, reliable data.  
Follow all local/regional/national/international regulations.  
Please consult supplier if further information is needed.  
In this document the British spelling was applied.

	Health	Flammability	Instability	Additional Markings
NFPA	1	1	1	

0 = Minimal hazard, 1 = Slight hazard, 2 = Moderate hazard, 3 = Severe hazard, 4 = Extreme hazard

Full denomination of most frequently used acronyms. BCF (Bioconcentration Factor), BOD (Biochemical Oxygen Demand), COD (Chemical Oxygen Demand), EC50 (50% effect concentration), ED50 (50% effect dose), I.M. (intramuscular), I.P. (intraperitoneal), I.V. (intravenous), Koc (Soil adsorption coefficient), LC50 (50% lethality concentration), LD50 (50% lethality dose), LDLo (Lower limit of lethal dosage), LEL (Lower Explosion Limit), LOAEC (Lowest Observed Adverse Effect Concentration), LOAEL (Lowest Observed Adverse Effect Level), LOEC (Lowest Observed Effect Concentration), LOEL (Lowest Observed Effect Level), MEL (Maximum Exposure limit), MTD (Maximum Tolerated Dose), NOAEC (No Observed Adverse Effect Concentration), NOAEL (No Observed Adverse Effect Level), NOEC (No Observed Effect Concentration), NOEL (No Observed Effect Level), OEL (Occupational Exposure Limit), PEL (Permissible Exposure Limit), PII (Primary Irritation Index), Pow (Partition coefficient n-octanol/water), S.C. (subcutaneous), STEL (Short-Term Exposure Limit), TLV-C (Threshold Limit Value-Ceiling), TLV-TWA (Threshold Limit Value - Time Weighted Average), UEL (Upper Explosion Limit)

This Material Safety Data Sheet (MSDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA-APPROVED PRODUCT LABELING (attached to and accompanying the product container). This MSDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course. Use, storage and disposal of pesticide products are regulated by the EPA under the authority of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) through the product labeling, and all necessary and appropriate precautionary, use, storage, and disposal information is set forth on that labeling. It is a violation of federal law to use a pesticide product in any manner not prescribed on the EPA-approved label.

Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof, MONSANTO Company or any of its subsidiaries makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for the purposes prior to use. In no event will MONSANTO Company or any of its subsidiaries be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR TO THE PRODUCT TO WHICH INFORMATION REFERS.



**90400100**

**H & H Bio-C**  
**Odor Counteractant**

(May be used for compliance with OSHA's Hazard Combination Standard 29 CFR 1910.1200)

**SECTION 1: PRODUCT IDENTIFICATION:**

Product Name/Identity: **BIO-0 Liquid Odor Neutralizer**  
General Purpose Formula (GP)  
Item numbers: 90-1301/2/4

**SECTION 2: HAZARDOUS INGREDIENTS/IDENTIFICATION:**

(As established by the American Conference of Governmental Hygienists and/or standards promulgated by the U.S. Occupational Safety and Health Administration.)

no.	component	CAS number	% by weight	OSHA PEL (PPM)	ACGIH TLV (PPM)	NOTE*
1.	alpha pinene	80-56-8	Less than .01%	N/A	N/A	
2.	iso amyl acetate	123-92-2	Less than .01%	N/A	N/A	
3.	cinnamic aldehyde	104-55-2	Less than .01%	N/A	N/A	

All of the above ingredients are considered to be food grade components.  
No ingredients in this product are recognized as carcinogenic

Note\* The following information only applies when a number appears in the right hand "NOTE" column above.

1. PEL/TLV not established for this item.
2. This item is listed as a toxic chemical subject of the SARA Sec. 313 Act of 1985
3. This item is considered a carcinogen by OSHA, by NTP, or by the IARC.

**SECTION 3: PHYSICAL DATA/CHEMICAL CHARACTERISTICS:**

Boiling Point: N/A                      Melting Point: N/A  
Vapor Pressure: N/A                      Specific Gravity: N/A  
Vapor Density (Air = 1): Heavier                      Solubility in Water: Soluble  
Appearance and Odor: a translucent liquid having a characteristic spicy odor.

**SECTION 4: FIRE AND EXPLOSION HAZARDS:**

Flash Point: N/A  
Flammable Limits:                      LEL: N/A UEL: N/A  
Extinguishing Media: Carbon Dioxide, Dry Chemical or Universal Type Foam, applied in accordance with manufacturer's instructions.  
Special Fire Fighting Procedures: Self-contained breathing apparatus and protective clothing should be worn whenever fighting fires involving chemicals.  
Unusual Fire and Explosion Hazards: None Known to Vaportek.  
NFPA Ratings: Health = 1, Flammability = 0, Reactivity = 0.

**SECTION 5: HEALTH HAZARD DATA:**

Routes of entry: ingestion, inhalation, skin and eye contact.  
Signs and Symptoms of Exposure:  
Eyes: May cause temporary irritation.  
Skin: Prolonged contact may cause temporary irritation or redness.  
Ingestion: Liquid may be harmful if swallowed.  
Inhalation: No hazards known to Vaportek.  
Emergency First Aid Procedures:  
Eyes: Flush with copious amounts of water for at least 15 minutes.  
If irritation persists, consult a physician.  
Skin: Wash effected area with soap. Remove any contaminated clothing and wash prior to reuse.  
Ingestion: Drink milk or water and contact a physician as necessary.  
Inhalation: Remove to fresh air and seek medical attention as necessary.  
Medical Conditions Generally Aggravated by Exposure: None Known to Vaportek.  
Threshold Limit Value: Not Determined by ACGIH or OSHA.  
Other Significant and Relevant Laboratory Data: None of the ingredients in this product are listed as carcinogens or potential carcinogens by NTP, IARC, or OSHA.



**90410060**

**H & H Instant Replay**  
**Buff Tuff Restorer**

8/11/2003.

Section 1 - Product and Company Identification

Code: \_\_\_\_\_  
Product Name **INSTANT REPLAY**  
Generic Description **Maximum High Speed Floor Cleaner/Restorer**  
Supplier **H&H CHEMICAL**  
Chemical Family **Not available.**  
Formula **Not applicable.**  
Phone: **337-474-2775**  
Emergency phone: **1-800-926-7627**  
NPCA Hazardous Material Identification System  
Health **\* 2**  
Flammability **0**  
Physical Hazard **0**

Section 2 - Ingredients:

Ingredient Name	CAS #	% by Weight	TLV/PEL	Carcinogenic Effects
1) Water	7732-18-5	0-100	Not available.	Not available.
2) Ethylene Glycol	107-21-1	15-20	Not available.	Not available.
3) Nonionic Surfactant	9016-45-9	0-5	Not available.	Not available.
4) Cationic Surfactant	N/A	0-5	Not available.	Not available.
5) Acrylic Emulsion	N/A	0-5	Not available.	Not available.
6) Perfume Oil	N/A	0-5	Not available.	Not available.
7) Optical Brightener	N/A	0-5	Not available.	Not available.

Section 3 - Physical and Chemical Properties

Boiling point **100°C (212°F)** Specific Gravity **1.01 (Water = 1)**  
Vapor Pressure **Not available.** Vapor density: **>1 (Air = 1)**  
Volatility **85** pH **7 to 8 (Basic.)**  
Solubility **Easily soluble in cold water.** Evaporation Rate **<1**  
Physical State and Appearance **Odor**

Liquid. White. Pleasant.

Section 5 - Reactivity Data

Stability **The product is stable.**  
Incompatibility **None known.**  
Hazardous Decomposition Products **Not available.**  
Hazardous Polymerization **Will not occur.**

Section 4 - Fire/Explosion Hazards

Flash points (closed cup) **None to boiling (TCC)** Explosion Limits **Not available.**  
Extinguishing media **N/A**  
Fire-Fighting Measures **Wear full protective clothing Use extinguishing media indicated.**  
Explosion Hazards **Not applicable**

Section 6 - Storage

Precautions to be taken in handling and storage  
**Avoid breathing vapors or spray mists.**  
**Keep out of the reach of children. Not for use or storage in or around the home.**

Section 7 - Health Hazards/ FIRST AID

Chronic Effects: **Severe over exposure may cause nervous system damage and kidney damage.**

ROUTES OF ENTRY

Skin **Slightly hazardous in case of skin contact (irritant). Non-sensitizer for skin. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.**  
Eyes **Hazardous in case of eye contact (irritant).**  
Inhalation **Irritant. May cause headache, dizziness.**  
Ingestion **Harmful if swallowed. May be fatal if swallowed. Aspiration hazard if swallowed- can enter lungs and cause damage.**  
Medical Conditions aggravated by Exposure **Asthma and related illnesses may be aggravated by exposure.**

FIRST AID MEASURES

Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used.  
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.  
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.  
**NEVER give an unconscious person anything to ingest. INDUCE VOMITING by sticking finger in throat. Seek immediate medical attention.**

Section 8 - Personal Protection

Protective Clothing  
Eye/Face Protection **Safety glasses.**  
Hand/Arm Protection **Gloves.**  
Respiratory Protection **Not applicable.**  
Other Special Considerations **Not applicable.**  
Ventilation  
Good general ventilation should be sufficient to control airborne levels.

Section 9 - Large Spill and Leak

Methods for cleaning up Spill

**Absorb with an inert material and put the spilled material in an appropriate waste disposal.**

**SARA 313**

Methods of disposal

**Waste must be disposed of in accordance with federal, state and local environmental control regulations.**

**SARA 313 toxic chemical notification and release reporting: Ethylene Glycol**

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards described herein, we cannot guarantee that these are the only hazards that exist.

**Emergency Response#**  
**1-800-926-7627**



**90100760**

**BetCo.**

**Defoamer Concentrate**

# SAFETY DATA SHEET



FiberPRO Foam Control

## Section 1. Identification

GHS product identifier : FiberPRO Foam Control  
Other means of identification : Not available.  
Product type : Liquid.

### Relevant identified uses of the substance or mixture and uses advised against

Not applicable.

Supplier's details : Betco Corporation  
1001 Brown Avenue  
Toledo, OH 43607  
www.betco.com  
888-462-3826

Emergency telephone number (with hours of operation) : Chemtrec 800-424-9300 (24 Hour)

## Section 2. Hazards identification

OSHA/HCS status : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture : Not classified.

### GHS label elements

Signal word : No signal word.  
Hazard statements : No known significant effects or critical hazards.

### Precautionary statements

Prevention : Not applicable.  
Response : Not applicable.  
Storage : Not applicable.  
Disposal : Not applicable.  
Hazards not otherwise classified : None known.

## Section 3. Composition/information on ingredients

Substance/mixture : Mixture  
Other means of identification : Not available.

### AS number/other identifiers

CAS number : Not applicable.  
Product code : 403

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

## Section 4. First aid measures

### Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
- Ingestion** : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

- Eye contact** : No specific data.
- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : No specific data.

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

**Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.

**Hazardous thermal decomposition products** : No specific data.

**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.



## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
- For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8).
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

None.

- Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.



## Section 8. Exposure controls/personal protection

- |                               |   |
|-------------------------------|---|
| <b>Hygiene measures</b>       | : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. |
| <b>Eye/face protection</b>    | : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.                                 |
| <b><u>Skin protection</u></b> |   |
| <b>Hand protection</b>        | : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.   |
| <b>Body protection</b>        | : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.   |
| <b>Other skin protection</b>  | : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.   |
| <b>Respiratory protection</b> | : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.   |

## Section 9. Physical and chemical properties

### Appearance

- |   |  |
|---|--|
| <b>Physical state</b>                               | : Liquid.  |
| <b>Color</b>  | : White.   |
| <b>Odor</b>   | : Mild.-Characteristic.  |
| <b>Odor threshold</b>                               | : Not available.   |
| <b>pH</b>   | : 7 to 8   |
| <b>Melting point</b>                                | : Not available.   |
| <b>Boiling point</b>                                | : Not available.   |
| <b>Flash point</b>                                  | : Closed cup: Not applicable. [Product does not sustain combustion.]   |
| <b>Evaporation rate</b>                             | : Not available.   |
| <b>Flammability (solid, gas)</b>                    | : Not available.   |
| <b>Lower and upper explosive (flammable) limits</b> | : Not available.   |
| <b>Vapor pressure</b>                               | : Not available.   |
| <b>Vapor density</b>                                | : Not available.   |
| <b>Relative density</b>                             | : 1  |
| <b>Solubility</b>                                   | : Easily soluble in the following materials: cold water and hot water. |
| <b>Partition coefficient: n-octanol/water</b>       | : Not available.   |
| <b>Auto-ignition temperature</b>                    | : Not available.   |
| <b>Decomposition temperature</b>                    | : Not available.   |
| <b>Viscosity</b>                                    | : Not available.   |

## Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: No specific data.
Incompatible materials	: No specific data.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Not available.

#### Irritation/Corrosion

Not available.

#### Sensitization

Not available.

#### Mutagenicity

Not available.

#### Carcinogenicity

Not available.

#### Reproductive toxicity

Not available.

#### Teratogenicity

Not available.

#### Specific target organ toxicity (single exposure)

Not available.

#### Specific target organ toxicity (repeated exposure)

Not available.

#### Aspiration hazard

Not available.

Information on the likely routes of exposure	: Routes of entry anticipated: Dermal. Routes of entry not anticipated: Oral, Inhalation.
--	--

### Potential acute health effects

Eye contact	: No known significant effects or critical hazards.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: No known significant effects or critical hazards.
Ingestion	: No known significant effects or critical hazards.

## Section 11. Toxicological information

Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: No specific data.
Ingestion	: No specific data.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

Potential immediate effects	: Not available.
Potential delayed effects	: Not available.

#### Long term exposure

Potential immediate effects	: Not available.
Potential delayed effects	: Not available.

#### Potential chronic health effects

Not available.

General	: No known significant effects or critical hazards.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Teratogenicity	: No known significant effects or critical hazards.
Developmental effects	: No known significant effects or critical hazards.
Fertility effects	: No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Not available.

## Section 12. Ecological information

### Toxicity

Not available.

### Persistence and degradability

Not available.

### Bioaccumulative potential

Not available.

### Mobility in soil

Soil/water partition coefficient ( $K_{oc}$ )	: Not available.
---	------------------

Other adverse effects	: No known significant effects or critical hazards.
-----------------------	---

## Section 13. Disposal considerations

### Disposal methods

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	ADR/RID	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-	-	-
Transport hazard class(es)	-	-	-	-	-	-
Packing group	-	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.	No.
Additional information	-	-	-	-	-	-

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** : Not available.

## Section 15. Regulatory information

**U.S. Federal regulations** : **TSCA 8(a) CDR Exempt/Partial exemption:** Not determined  
Not determined.  
**Clean Water Act (CWA) 311:** Formaldehyde, solution; sodium hydroxide

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : Not listed

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed



## Section 15. Regulatory information

DEA List II Chemicals : Not listed  
 Essential Chemicals)

### SARA 302/304

#### Composition/information on ingredients

Name	%	EHS	SARA 302 TPQ		SARA 304 RQ	
			(lbs)	(gallons)	(lbs)	(gallons)
Formaldehyde, solution	<0.1	Yes.	500	73.9	100	14.8

SARA 304 RQ : 2666666.7 lbs / 1210666.7 kg [319824.3 gal / 1210666.7 L]

### SARA 311/312

Classification : Not applicable.

#### Composition/information on ingredients

No products were found.

### State regulations

Massachusetts : None of the components are listed.  
 New York : None of the components are listed.  
 New Jersey : None of the components are listed.  
 Pennsylvania : None of the components are listed.

### California Prop. 65

**WARNING:** This product contains less than 0.1% of a chemical known to the State of California to cause cancer.

Ingredient name	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
Formaldehyde, solution	Yes.	No.	Yes.	No.

### International regulations

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

#### Montreal Protocol (Annexes A, B, C, E)

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

#### Rotterdam Convention on Prior Inform Consent (PIC)

Not listed.

#### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

### International lists

#### National inventory

Australia : Not determined.  
 Canada : Not determined.  
 China : Not determined.  
 Europe : Not determined.  
 Japan : Not determined.  
 Malaysia : Not determined.  
 New Zealand : Not determined.

## Section 15. Regulatory information

Taiwan : Not determined.

## Section 16. Other information

### Hazardous Material Information System (U.S.A.)

Health	0
Flammability	0
Physical hazards	0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

### National Fire Protection Association (U.S.A.)



Reprinted with permission from NFPA 704-2001, Identification of the Hazards of Materials for Emergency Response Copyright ©1997, National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete and official position of the National Fire Protection Association, on the referenced subject which is represented only by the standard in its entirety.

Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

### Procedure used to derive the classification

Classification	Justification
Not classified.	

### History

Date of printing : 4/1/2015.  
 Date of issue/Date of revision : 4/1/2015.  
 Date of previous issue : No previous validation.  
 Version : 1  
 Key to abbreviations : ATE = Acute Toxicity Estimate  
 BCF = Bioconcentration Factor  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 IATA = International Air Transport Association  
 IBC = Intermediate Bulk Container  
 IMDG = International Maritime Dangerous Goods  
 LogPow = logarithm of the octanol/water partition coefficient  
 MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
 UN = United Nations

References : Not available.

☑ Indicates information that has changed from previously issued version.

### Notice to reader

## Section 16. Other information

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.



# Material Safety Data Sheet

Prepared in Accordance with 29 CFR 1910.1200

Prepared by CRushton on 5/5/2003.

## Section 1 - Product and Company Identification

Coder:		Chemical Family	Not available.	NPCA Hazardous Material Identification System	
Product Name	H & H FOAM GUARD	Formula	Not applicable.	Health	1
Generic Description	Defoamer	Phone:	1-337-474-2775	Flammability	0
Supplier	H & H CHEMICAL CO. LAKE CHARLES, LA	Emergency phone:	1-800-926-7627	Physical Hazard	0

## Section 2-Ingredients:

Ingredient Name	CAS #	% by Weight	TLV/PEL	Carcinogenic Effects
1) Water	7732-18-5	0-100	Not available.	Not available.
2) Silicone Oil	N/A	5-10	Not available.	Not available.

## Section 3-Physical and Chemical Properties

Boiling point	212°F initial	Specific Gravity	1 (Water = 1)
Vapor Pressure	Not Determined	Vapor density:	>1 (Air = 1)
Volatility	90	pH	7 to 8 [Basic]
Solubility	Not available.	Evaporation Rate	<1
Physical State and Appearance	Odor		

Liquid. White. Pleasant.

## Section 5 - Reactivity Data

Stability	The product is stable.
Compatibility	No incompatible product according to our data base.
Hazardous Decomposition Products	Not available.
Hazardous Polymerization	Will not occur.

## Section 4- Fire/Explosion Hazards

Flash points (closed cup)	CLOSED CUP: >98.889°C (210°F).	Explosion Limits	Not available.
Extinguishing media	N/A		
Fire-Fighting Measures	Wear full protective clothing Use extinguishing media indicated.		
Explosion Hazards	Non-explosive in presence of open flames and sparks, of heat.		

## Section 6-Storage

Precautions to be taken in handling and storage  
Avoid breathing vapors or spray mists.  
Keep out of the reach of children. Not for use or storage in or around the home.

## Section 7-Health Hazards/ FIRST AID

Chronic Effects: There is no known effect from chronic exposure to this product.

### ROUTES OF ENTRY

Skin	Slightly hazardous in case of skin contact (irritant). Non-corrosive for skin. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.
Eyes	Slightly hazardous in case of eye contact (irritant).
Inhalation	Non-hazardous in case of inhalation.
Ingestion	Slightly hazardous in case of ingestion.

Medical Conditions aggravated by Exposure Repeated or prolonged exposure is not known to aggravate medical condition.

### FIRST AID MEASURES

Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.  
In case of contact with eyes, rinse immediately with plenty of water.  
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.  
Have conscious person drink several glasses of water or milk. Seek medical attention.

## Section 8- Personal Protection

Protective Clothing		Ventilation	
Eye/Face Protection	Safety glasses.	Good general ventilation should be sufficient to control airborne levels.	
Hand/Arm Protection	Not applicable.		
Respiratory Protection	Not applicable.		
Other Special Considerations	Not applicable.		

## Section 9-Large Spill and Leak

### Methods for cleaning up Spill

Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

SARA 313

### Methods of disposal

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

SARA 313 toxic chemical notification and release reporting: No products were found.

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards described herein, we cannot guarantee that these are the only hazards that exist.



**90100600**

**Comet**  
**Scouring Powder**  
**Cleanser**

## 1. IDENTIFICATION

Product Name	Comet® Deodorizing Cleanser with Chlorinol®
Product Code(s)	3-10
Product ID:	97086927_PROF_NG
Product Type:	Finished Product - Professional Use Only
Recommended Use	Hard Surface Cleaner
Restrictions on Use	Do not mix with other cleaning products or chemicals as irritating fumes may be formed.
Manufacturer	Procter & Gamble Professional 2 P&G Plaza Cincinnati, Ohio 45202  Procter & Gamble Inc. P.O. Box 355, Station A Toronto, ON M5W 1C5  1-800-332-7787
E-mail Address	pgsds.im@pg.com
Emergency Telephone	Transportation (24 HR) CHEMTREC - 1-800-424-9300 (U.S./ Canada) or 1-703-527-3887 Mexico toll free in country: 800-681-9531

## 2. HAZARD IDENTIFICATION

This product is classified under 29CFR 1910.1200(d) and the Canadian Hazardous Products Regulation as follows:.

Hazard Category

Eye Damage / Irritation Category 2B

Signal Word WARNING

Hazard Statements Causes eye irritation

Hazard pictograms None

Precautionary Statements - Prevention Wash hands thoroughly after handling  
Do not mix with other cleaning products or chemicals as irritating fumes may be formed

Precautionary Statements - Response IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If eye irritation persists: Get medical advice/attention  
IF SWALLOWED:  
Drink 1 or 2 glasses of water

Precautionary Statements - Storage None

Precautionary Statements - Disposal Dispose of contents/container in accordance with local regulation

Hazards not otherwise classified (HNOC) None

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients are listed according to 29CFR 1910.1200 Appendix D and the Canadian Hazardous Products Regulation

Chemical Name	Synonyms	Trade Secret	CAS-No	Weight %
Limestone	-	No	1317-65-3	40 - 100
Sodium carbonate	-	No	497-19-8	5 - 10
Symclosene	-	No	87-90-1	1 - 5
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	-	No	68081-81-2	1 - 5

### 4. FIRST AID MEASURES

#### First aid measures for different exposure routes

**Eye contact** Rinse with plenty of water. Get medical attention immediately if irritation persists.

**Skin contact** Rinse with plenty of water. Get medical attention if irritation develops and persists.

**Ingestion** Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately if symptoms occur.

**Inhalation** Move to fresh air. If symptoms persist, call a physician.

**Most important symptoms/effects, acute and delayed** None under normal use conditions.

#### Indication of immediate medical attention and special treatment needed, if necessary

**Notes to Physician** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media** Dry chemical, CO<sub>2</sub>, alcohol-resistant foam or water spray.

**Unsuitable Extinguishing Media** None.

**Special hazard** None known.

**Special protective equipment for fire-fighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Specific hazards arising from the chemical** None.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Use personal protective equipment. Do not get in eyes, on skin, or on clothing.

**Advice for emergency responders** Use personal protective equipment as required.

### Methods and materials for containment and cleaning up

**Methods for containment** Prevent dust cloud. Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Sweep up and shovel into suitable containers for disposal. Dispose of in accordance with local regulations.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Use personal protective equipment as required. Keep container closed when not in use. Never return spills in original containers for re-use. Keep out of the reach of children.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible products** Do not mix with other cleaning products or chemicals as irritating fumes may be formed.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

Chemical Name	CAS-No	ACGIH TLV	OSHA PEL	Mexico PEL
Limestone	1317-65-3		TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) TWA: 15 mg/m <sup>3</sup> total dust (vacated) TWA: 5 mg/m <sup>3</sup> respirable fraction	Mexico: TWA 10 mg/m <sup>3</sup> Mexico: STEL 20 mg/m <sup>3</sup>

Chemical Name	CAS-No	Alberta	Quebec	Ontario TWAEV	British Columbia
Limestone	1317-65-3	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>		TWA: 10 mg/m <sup>3</sup> TWA: 3 mg/m <sup>3</sup> STEL: 20 mg/m <sup>3</sup>

No relevant exposure guidelines for other ingredients

### Exposure controls

**Engineering Measures** **Distribution, Workplace and Household Settings:**  
Ensure adequate ventilation

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction

### Personal Protective Equipment



**Eye Protection**

**Distribution, Workplace and Household Settings:**  
No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Use appropriate eye protection

**Hand Protection**

**Distribution, Workplace and Household Settings:**  
No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Protective gloves

**Skin and Body Protection**

**Distribution, Workplace and Household Settings:**  
No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Wear suitable protective clothing

**Respiratory Protection**

**Distribution, Workplace and Household Settings:**  
No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
In case of insufficient ventilation wear suitable respiratory equipment

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State @20°C**

solid

**Appearance**

white

**Odor**

Pine

**Odor threshold**

No information available

Property

Values

Note

pH value

11.5

(as 1% solution)

**Melting/freezing point**

No information available

**Boiling point/boiling range**

No information available

**Flash point**

No information available

**Evaporation rate**

No information available

**Flammability (solid, gas)**

No information available

**Flammability Limits in Air**

Upper flammability limit

No information available

Lower Flammability Limit

No information available

**Vapor pressure**

No information available

**Vapor density**

No information available

**Relative density**

No information available

**Water solubility**

15%

**Solubility in other solvents**

No information available

**Partition coefficient: n-octanol/water**

No information available

**Autoignition temperature**

No information available

**Decomposition temperature**

No information available

**Viscosity of Product**

No information available

**Oxidizing properties**

These substances will accelerate burning when involved in a fire.

**VOC Content (%)**

Products comply with US state and federal regulations for VOC content in consumer products.

## 10. STABILITY AND REACTIVITY

**Reactivity**

None under normal use conditions.

<b>Stability</b>	Stable under normal conditions.
<b>Hazardous polymerization</b>	Hazardous polymerization does not occur.
<b>Hazardous Reactions</b>	None under normal processing.
<b>Conditions to Avoid</b>	None under normal processing.
<b>Materials to avoid</b>	Do not mix with other cleaning products or chemicals as irritating fumes may be formed.
<b>Hazardous Decomposition Products</b>	None under normal use.

## 11. TOXICOLOGICAL INFORMATION

### Product Information

#### Information on likely routes of exposure

<b>Inhalation</b>	No known effect.
<b>Skin contact</b>	No known effect.
<b>Ingestion</b>	No known effect.
<b>Eye contact</b>	Irritating to eyes.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Acute toxicity</b>	No known effect.
<b>Skin corrosion/irritation</b>	No known effect.
<b>Serious eye damage/eye irritation</b>	Irritating to eyes.
<b>Skin sensitization</b>	No known effect.
<b>Respiratory sensitization</b>	No known effect.
<b>Germ cell mutagenicity</b>	No known effect.
<b>Neurological Effects</b>	No known effect.
<b>Reproductive toxicity</b>	No known effect.
<b>Developmental toxicity</b>	No known effect.
<b>Teratogenicity</b>	No known effect.
<b>STOT - single exposure</b>	No known effect.
<b>STOT - repeated exposure</b>	No known effect.
<b>Target Organ Effects</b>	No known effect.
<b>Aspiration hazard</b>	No known effect.
<b>Carcinogenicity</b>	No known effect.

### Component Information

<b>Chemical Name</b>	<b>CAS-No</b>	<b>LD50 Oral</b>	<b>LD50 Dermal</b>	<b>LC50 Inhalation</b>
Sodium carbonate	497-19-8	2800 mg/kg bw	> 2000 mg/kg bw (US EPA 16 CFR 1500.40)	-

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

The product is not expected to be hazardous to the environment.

<b>Persistence and degradability</b>	No information available.
<b>Bioaccumulative potential</b>	No information available.
<b>Mobility</b>	No information available.
<b>Other adverse effects</b>	No information available.

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment

#### **Waste from Residues / Unused Products**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

#### **Contaminated packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**California Hazardous Waste Codes** 331  
(non-household setting)

## 14. TRANSPORT INFORMATION

#### DOT

Not regulated

#### IMDG

Not regulated

#### IATA

Not regulated

## 15. REGULATORY INFORMATION

### U.S. Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### **CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	CAS-No	Hazardous Substances RQs	Extremely Hazardous Substances RQs	CERCLA/SARA 302 TPQ
Piperidine	110-89-4	-	1000 lb	1000 lb

#### **Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

#### **Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### **California Proposition 65**

This product is not subject to warning labeling under California Proposition 65.

### **U.S. State Regulations (RTK)**

Chemical Name	CAS-No	New Jersey
Limestone	1317-65-3	X
Symclosene	87-90-1	X

Chemical Name	CAS-No	Pennsylvania
Limestone	1317-65-3	X
Symclosene	87-90-1	X

## International Inventories

### **United States**

All intentionally-added components of this product(s) are listed on the US TSCA Inventory.

### **Canada**

This product is in compliance with CEPA for import by P&G.

### Legend

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**CEPA** - Canadian Environmental Protection Act

## **16. OTHER INFORMATION**

### HMIS Ratings

Health hazard	-
Flammability	0
Physical hazard	0

Health hazard	2
Flammability	0
Instability	0

**Issuing Date:** 12-Jun-2015

**Revision Date:** 12-Jun-2015

### **Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of SDS



**90100731**

**Glass Cleaner  
Concentrate**

# SAFETY DATA SHEET



Deep Blue Concentrate 1:30

## Section 1. Identification

GHS product identifier : Deep Blue Concentrate 1:30  
Other means of identification : Not available.  
Product type : Liquid.

### Relevant identified uses of the substance or mixture and uses advised against

Not applicable.

Supplier's details : Betco Corporation  
1001 Brown Avenue  
Toledo, OH 43607  
www.betco.com  
888-462-3826

Emergency telephone number (with hours of operation) : Chemtrec 800-424-9300 (24 Hour)

## Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).  
Classification of the substance or mixture : SKIN CORROSION/IRRITATION - Category 2  
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A

### GHS label elements

Hazard pictograms :



Signal word : Warning  
Hazard statements : Causes serious eye irritation.  
Causes skin irritation.

### Precautionary statements

Prevention : Wear protective gloves: < 1 hour (breakthrough time): disposable vinyl. Wear eye or face protection: Recommended: splash goggles. Wash hands thoroughly after handling.

Response : IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Storage : Not applicable.

Disposal : Not applicable.

Hazards not otherwise classified : None known.

## Section 3. Composition/information on ingredients

Substance/mixture : Mixture  
 Other means of identification : Not available.

### CAS number/other identifiers

CAS number : Not applicable.  
 Product code : 181

Ingredient name	%	CAS number
2-Butoxyethanol; Ethylene glycol monobutyl ether	≥10 - <17	111-76-2
ammonia	≥3 - <4	1336-21-6
Poly(oxy-1,2-ethanediyl), α-sulfo-ω-(dodecyloxy)-, sodium salt (1:1)	≥1 - <1.5	9004-82-4

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

- Eye contact** : Causes serious eye irritation.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : Causes skin irritation.
- Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:  
 pain or irritation



## Section 4. First aid measures

- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness
- Ingestion** : No specific data.

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

- Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
nitrogen oxides  
sulfur oxides  
metal oxide/oxides

- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up



## Section 6. Accidental release measures

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
2-Butoxyethanol; Ethylene glycol monobutyl ether	<b>OSHA PEL 1989 (United States, 3/1989).</b> <b>Absorbed through skin.</b> TWA: 25 ppm 8 hours. TWA: 120 mg/m <sup>3</sup> 8 hours. <b>NIOSH REL (United States, 10/2013).</b> <b>Absorbed through skin.</b> TWA: 5 ppm 10 hours. TWA: 24 mg/m <sup>3</sup> 10 hours. <b>ACGIH TLV (United States, 4/2014).</b> TWA: 20 ppm 8 hours. <b>OSHA PEL (United States, 2/2013).</b> <b>Absorbed through skin.</b> TWA: 50 ppm 8 hours. TWA: 240 mg/m <sup>3</sup> 8 hours.

- Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some

## Section 8. Exposure controls/personal protection

### Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles. Recommended: splash goggles
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. < 1 hour (breakthrough time): disposable vinyl
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
- Personal protective equipment (Pictograms)** :



## Section 9. Physical and chemical properties

### Appearance

- Physical state** : Liquid.
- Color** : Blue. [Dark]
- Odor** : Ammoniacal.
- Odor threshold** : Not available.
- pH** : 10 to 11.4
- Melting point** : Not available.
- Boiling point** : Not available.
- Flash point** : Closed cup: >100°C (>212°F)
- Evaporation rate** : Not available.
- Flammability (solid, gas)** : Not available.
- Lower and upper explosive (flammable) limits** : Not available.
- Vapor pressure** : Not available.
- Vapor density** : Not available.
- Relative density** : 0.98

## Section 9. Physical and chemical properties

<b>Solubility</b>	: Easily soluble in the following materials: cold water. Soluble in the following materials: hot water.
<b>Partition coefficient: n-octanol/water</b>	: Not available.
<b>Auto-ignition temperature</b>	: Not available.
<b>Decomposition temperature</b>	: Not available.
<b>Viscosity</b>	: Not available.

## Section 10. Stability and reactivity

<b>Reactivity</b>	: No specific test data related to reactivity available for this product or its ingredients.
<b>Chemical stability</b>	: The product is stable.
<b>Possibility of hazardous reactions</b>	: Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	: No specific data.
<b>Incompatible materials</b>	: No specific data.
<b>Hazardous decomposition products</b>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
2-Butoxyethanol; Ethylene glycol monobutyl ether	LC50 Inhalation Gas.	Rat	450 ppm	4 hours
	LD50 Dermal	Rabbit	220 mg/kg	-
	LD50 Oral	Rat	250 mg/kg	-
ammonia	LD50 Oral	Rat	350 mg/kg	-
Poly(oxy-1,2-ethanediyl), $\alpha$ -sulfo- $\omega$ -(dodecyloxy)-, sodium salt (1:1)	LD50 Oral	Rat	1600 mg/kg	-

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
2-Butoxyethanol; Ethylene glycol monobutyl ether	Eyes - Moderate irritant	Rabbit	-	24 hours 100 milligrams	-
	Eyes - Severe irritant	Rabbit	-	100 milligrams	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-
ammonia	Eyes - Severe irritant	Rabbit	-	250 Micrograms	-
	Eyes - Severe irritant	Rabbit	-	0.5 minutes 1 milligrams	-
Poly(oxy-1,2-ethanediyl), $\alpha$ -sulfo- $\omega$ -(dodecyloxy)-, sodium salt (1:1)	Eyes - Moderate irritant	Rabbit	-	24 hours 20 milligrams	-
	Eyes - Severe irritant	Rabbit	-	24 hours 100 microliters	-
	Skin - Moderate irritant	Rabbit	-	24 hours 25	-

## Section 11. Toxicological information

milligrams

### Sensitization

Not available.

### Mutagenicity

Not available.

### Carcinogenicity

Not available.

### Classification

Product/ingredient name	OSHA	IARC	NTP
2-Butoxyethanol; Ethylene glycol monobutyl ether	-	3	-

### Reproductive toxicity

Not available.

### Teratogenicity

Not available.

### Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

**Information on the likely routes of exposure** : Routes of entry anticipated: Oral, Dermal, Inhalation.

### Potential acute health effects

**Eye contact** : Causes serious eye irritation.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : Causes skin irritation.  
**Ingestion** : No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : Adverse symptoms may include the following:  
 pain or irritation  
 watering  
 redness  
**Inhalation** : No specific data.  
**Skin contact** : Adverse symptoms may include the following:  
 irritation  
 redness  
**Ingestion** : No specific data.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.



## Section 11. Toxicological information

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

### Potential chronic health effects

Not available.

**General** : No known significant effects or critical hazards.

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Route	ATE value
Oral	3006.3 mg/kg
Dermal	9353.7 mg/kg
Inhalation (vapors)	93.54 mg/l

## Section 12. Ecological information

### Toxicity

Product/ingredient name	Result	Species	Exposure
2-Butoxyethanol; Ethylene glycol monobutyl ether	Acute EC50 >1000 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
ammonia Poly(oxy-1,2-ethanediyl), $\alpha$ -sulfo- $\omega$ -(dodecyloxy)-, sodium salt (1:1)	Acute LC50 800000 $\mu$ g/l Marine water	Crustaceans - Crangon crangon	48 hours
	Acute LC50 1250000 $\mu$ g/l Marine water	Fish - Menidia beryllina	96 hours
	Acute LC50 37 ppm Fresh water	Fish - Gambusia affinis - Adult	96 hours
	Acute EC50 3.12 mg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours

### Persistence and degradability

Not available.

### Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
2-Butoxyethanol; Ethylene glycol monobutyl ether	0.81	-	low

### Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

### Disposal methods

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	ADR/RID	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-	-	-
Transport hazard class(es)	-	-	-	-	-	-
Packing group	-	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.	No.
Additional information	<u>Reportable quantity</u> 31397.2 lbs / 14254.3 kg [3842.4 gal / 14545.2 L] Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.	-	-	-	-	-

### Special precautions for user

: **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not available.

## Section 15. Regulatory information

**S. Federal regulations** : **TSCA 8(a) CDR Exempt/Partial exemption:** Not determined  
All components are listed or exempted.  
**Clean Water Act (CWA) 311:** ammonia; sodium hydroxide; edetic acid

**Clean Air Act Section 112** : Not listed

**(b) Hazardous Air Pollutants (HAPs)**

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

### SARA 302/304

#### Composition/information on ingredients

No products were found.

**SARA 304 RQ** : Not applicable.

### SARA 311/312

**Classification** : Immediate (acute) health hazard

#### Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
2-Butoxyethanol; Ethylene glycol monobutyl ether	≥10 - <17	No.	No.	No.	Yes.	No.
ammonia	≥3 - <4	No.	No.	No.	Yes.	No.
Poly(oxy-1,2-ethanediyl), α-sulfo-ω-(dodecyloxy)-, sodium salt (1:1)	≥1 - <1.5	No.	No.	No.	Yes.	No.

### SARA 313

	Product name	CAS number	%
<b>Form R - Reporting requirements</b>	2-butoxyethanol ammonia	111-76-2 1336-21-6	≥10 - <17 ≥3 - <4
<b>Supplier notification</b>	2-butoxyethanol ammonia	111-76-2 1336-21-6	≥10 - <17 ≥3 - <4

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

### State regulations

**Massachusetts** : The following components are listed: 2-BUTOXYETHANOL; AMMONIUM HYDROXIDE

**New York** : The following components are listed: Ammonium hydroxide

**New Jersey** : The following components are listed: 2-BUTOXY ETHANOL; BUTYL CELLOSOLVE; AMMONIUM HYDROXIDE; ETHYL ALCOHOL; ALCOHOL

**Pennsylvania** : The following components are listed: ETHANOL, 2-BUTOXY-; AMMONIUM HYDROXIDE ((NH<sub>4</sub>)(OH)); DENATURED ALCOHOL

### International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

## Section 15. Regulatory information

### Montreal Protocol (Annexes A, B, C, E)

Not listed.

### Stockholm Convention on Persistent Organic Pollutants

Not listed.

### Rotterdam Convention on Prior Inform Consent (PIC)

Not listed.

### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

### International lists

#### National inventory

Australia	: All components are listed or exempted.
Canada	: All components are listed or exempted.
China	: All components are listed or exempted.
Europe	: Not determined.
Japan	: All components are listed or exempted.
Malaysia	: Not determined.
New Zealand	: All components are listed or exempted.
Philippines	: All components are listed or exempted.
Republic of Korea	: All components are listed or exempted.
Taiwan	: All components are listed or exempted.

## Section 16. Other information

### Hazardous Material Information System (U.S.A.)

Health	2
Flammability	1
Physical hazards	0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

### National Fire Protection Association (U.S.A.)



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.



## Section 16. Other information

Classification	Justification
Skin Irrit. 2, H315 Eye Irrit. 2A, H319	Calculation method Calculation method

### History

Date of printing : 3/31/2015.

Date of issue/Date of revision : 3/31/2015.

Date of previous issue : 3/31/2015.

Version : 3

Key to abbreviations : ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
UN = United Nations

References : Not available.

☑ Indicates information that has changed from previously issued version.

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

# Material Safety Data Sheet



Superior Solutions

Zep Inc.  
1310 Seaboard Industrial Blvd.  
Atlanta, GA 30318  
1-877-I-BUY-ZEP (428-9937)  
www.zep.com

## Section 1. Chemical Product and Company Identification

**Product name** ZEP CONCENTRATED GLASS CLEANER  
**Product use** Concentrated Glass Cleaner  
**Product code** 1052  
**Date of issue** 09/25/08 **Supersedes** 07/11/08

## Emergency Telephone Numbers

### For MSDS Information:

Compliance Services 1-877-I-BUY-ZEP (428-9937)

### For Medical Emergency

INFOTRAC: (877) 541-2016 Toll Free - All Calls Recorded

### For Transportation Emergency

CHEMTREC: (800) 424-9300 - All Calls Recorded  
In the District of Columbia (202) 483-7616

CALCASIEU PARISH SCHOOL BOARD  
JANITORIAL WAREHOUSE  
3310 BROAD ST  
LAKE CHARLES LA 70615

Printing date: 03/03/09

## Prepared By

Compliance Services  
1420 Seaboard Industrial Blvd.  
Atlanta, GA 30318

## Section 2. Hazards Identification

### Emergency overview

**WARNING !**

**FLAMMABLE. CAUSES EYE IRRITATION.**

\*Hazard Determination System (HDS): Health, Flammability, Reactivity

1

0

**NOTE:** MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.

### Cute Effects

### Routes of Entry

Eye contact. Skin contact. Inhalation.

**Eyes** Causes eye irritation. Inflammation of the eye is characterized by redness, watering and itching.

**Skin** Prolonged or repeated contact may dry skin and cause irritation.

**Inhalation** Avoid breathing vapors, spray or mists. Over-exposure by inhalation may cause respiratory irritation. Can cause central nervous system (CNS) depression.

**Ingestion** Ingestion may cause gastrointestinal irritation and diarrhea.

### Chronic effects

Contains material which may cause damage to the following organs: kidneys, liver, central nervous system (CNS).

**Carcinogenicity** Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

**Additional Information:** See Toxicological Information (Section 11)

## Section 3. Composition/Information on Ingredients

ETHANOL; ethyl alcohol; grain alcohol	64-17-5	20 - 30
TETRASODIUM ETHYLENEDIAMINE TETRAACETATE; ethylenediamine tetraacetic acid; tetrasodium salt	64-02-8	<10

## Section 4. First Aid Measures

**Eye Contact** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention immediately.

**Skin Contact** Flush affected skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Wash clothing before reuse. Get medical attention if irritation develops.

**Inhalation** Move exposed person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Ingestion** Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. If affected person is conscious, give plenty of water to drink. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**Section 11. Toxicological Information****Acute Toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
Ethanol	LD50 Oral	Rat	7060 mg/kg	-
	LC50 Inhalation Vapor	Rat	20000 mg·m <sup>-3</sup>	4 hours
Tetrasodium Ethylenediamine Tetraacetate	LD50 Oral	Rat	4100 mg/kg	-

**Section 12. Ecological Information**

**Environmental Effects** No known significant effects or critical hazards.

**Aquatic Ecotoxicity**

Not available.

**Section 13. Disposal Considerations****Waste Information**

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

**Waste Stream** Code: - [D001]  
Classification: - [Hazardous waste]  
Origin: - [RCRA waste.]

**Section 14. Transport Information**

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label
DOT Classification	Not regulated.	Not a DOT controlled material (United States).	-	-	
IMDG Class	Not determined.				

**NOTE:** DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

PG\* : Packing group

**Section 15. Regulatory Information****U.S. Federal Regulations**

SARA 313 toxic chemical notification and release reporting:

No products were found.

**Clean Water Act (CWA) 307:** No products were found.

**Clean Water Act (CWA) 311:** No products were found.

**Clean Air Act (CAA) 112 regulated toxic substances:** No products were found.

All Components of this product are listed or exempt from listing on TSCA Inventory.

**State Regulations**

**California Prop 65** No products were found.

**Section 16. Other Information**

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*

\*NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.

**90100400**

**NABC**

**Toilet Bowl Cleaner**





# Spartan Chemical Company, Inc.

## Material Safety Data Sheet

### SECTION I: PRODUCT INFORMATION

Product Name or Number (as it appears on label):  
**NABC NON-ACID DISINFECTANT BATHROOM CLEANER**  
Product Number: 7116; 7496

Product Division:  
**Janitorial**

**Spartan Chemical Company, Inc.**  
**1110 Spartan Drive**  
**Maumee OH 43537**

Product/Technical Information: **1-(800)-537-8990**  
Medical Emergency: **1-(888)-314-6171 (24 hours)**  
Chemical Leak/Spil Emergency: **CHEMTREC 1-(800) 424-9300 (24 hours)**

Shipping Description: Cleaning compounds, liquid, n.o.s.

NFPA Ratings:	HMIS Ratings:
<b>Health:</b> 1- Slight <b>Fire:</b> 0 - Minimal <b>Reactivity:</b> 0 - Minimal	<b>Health:</b> 1- Slight <b>Fire:</b> 0 - Minimal <b>Reactivity:</b> 0 - Minimal <b>Pers. Prot. Equip.:</b> See Section VIII

### SECTION II: HAZARDOUS INGREDIENTS

(Listed when present at 1% or greater, carcinogens at 0.1% or greater) All component chemicals are listed or exempted from listing on the "TSCA Inventory" of chemical substances maintained by the U.S. Environmental Protection Agency.

Chemical Name(s)	%Wt	CAS Registry No.	Table Z-1-A			Carcinogen
			TWA mg/m <sup>3</sup>	STEL mg/m <sup>3</sup>	CEILING mg/m <sup>3</sup>	
Isopropyl alcohol	01-05	67-63-0	980	1225	Not Established	No
Nonyl phenol ethoxylate	01-05	9016-45-9	Not Established	Not Established	Not Established	No
Dialkyl dimethyl ammonium chloride	< 1.0	68424-95-3	Not Established	Not Established	Not Established	No
Alkyl dimethyl benzyl ammonium chloride	< 1.0	68424-85-1	Not Established	Not Established	Not Established	No

### SECTION III: PHYSICAL DATA

Boiling Point: 210 °F	Vapor Pressure: Unknown
Vapor Density (AIR = 1): Unknown	Solubility in Water: Complete
pH: 6.0-7.0 (concentrate)	Specific Gravity (H <sub>2</sub> O=1): 0.995 @ 75 F
Evaporation Rate (but.ace.=1): <1	Percent Solid by Weight: 2
Physical State: Liquid	
Appearance & Odor: Blue colored liquid, floral fragrance	

### SECTION IV: FIRE & EXPLOSIVE HAZARD DATA

Flash Point: > 200°F	Method Used: ASTM-D56
Flammable Limits: N/A	Flame Extension: N/A
Extinguishing Media: N/A	
Special Fire Fighting Procedures: N/A	
Unusual Fire & Explosive Hazards: N/A	

**SECTION V: HEALTH HAZARD DATA**

Threshold Limit Value:	Not Established	Primary Routes of Entry:	Inhalation, Skin Contact, Eyes and Ingestion
Effects of Overexposure- Conditions to Avoid:	<b>Causes moderate eye irritation. Harmful if absorbed through the skin. May be harmful if swallowed. Inhalation may cause respiratory irritation.</b> Avoid contact with eyes, skin or clothing. Do not swallow. Avoid breathing product mist. Wash thoroughly with soap and water after handling.		
Conditions Aggravated by Use:	Preexisting skin; eye and respiratory disorders.		
<b>Emergency &amp; First Aid Procedures:</b>			
Eyes:	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses; If present after the first 5 minutes; then continue rinsing eye. Call a poison control center or doctor for treatment advice.		
Skin:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.		
Ingestion:	Do not induce vomiting. Drink one or two glasses of water to dilute product. Call a poison control center or doctor for treatment advice. Do not give anything by mouth to an unconscious person.		
Inhalation:	In case of respiratory irritation; move person to fresh air. Get medical attention if irritation persists.		

**SECTION VI: REACTIVITY DATA**

Stability:	Stable	Incompatible Materials:	Strong oxidizers
Hazardous Decomposition Products:	None	Hazardous Polymerization:	Will Not Occur

**SECTION VII: SPILL OR LEAK PROCEDURES**

Steps to be Taken in Case Material is Released or Spilled:	Flush with water to sanitary sewer. Prevent product from contaminating streams, ponds, lakes or other bodies of water.
Waste Disposal Method:	Sanitary sewer

**SECTION VIII: SPECIAL PROTECTION INFORMATION**

Respiratory Protection:	Not usually required when good ventilation is provided. However, if exposure limits are exceeded (See Section II) or if respiratory irritation occurs, a NIOSH approved respirator should be worn.
Ventilation:	Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.
Protective Gloves(Specify Type):	Impervious gloves are recommended for frequent or prolonged contact.
Eye Protection(Specify Type):	Splash goggles or safety glasses are recommended.
Other Protective Equipment:	See 29 CFR 1910.132-138

**SECTION IX: SPECIAL PRECAUTIONS**

Precautions; Handling & Storing:	Keep out of reach of children
Other Precautions:	None

© SCC 03/29/2002

Name: Ronald T. Cook

Title: Manager, Regulatory Affairs

**NABC NON-ACID DISINFECTANT  
BATHROOM CLEANER**

Effective Date: 03/29/2002

Supersedes: 09/27/99

Ref: 29 CFR 1910.1200 (OSHA)

Changes: Update Sections I, II, III, IV, V, VII, VIII &amp; IX

This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained herein. Actual conditions of use and handling are beyond sellers control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State and Local laws and regulations.

**90100410**

**Stain-X**

**Toilet Bowl Cleaner**



## STAIN-X

STAIN-X IS A TOILET & URINAL STAIN REMOVER. IT WILL REMOVE STAINS, HARD WATER BUILD UP AND RUST. APPLY WITH A BOWL MOP DIRECTLY TO STAINS AND RINGS ON TOILETS AND URINALS. DO NOT SCRUB!!!! RE-APPLY UNTIL STAIN DISAPPEARS. THIS PRODUCT IS NOT FOR EVERYDAY USE. IT SHOULD ONLY BE USED WHEN SURFACE STAINS RE-APPEAR!!!!



YES

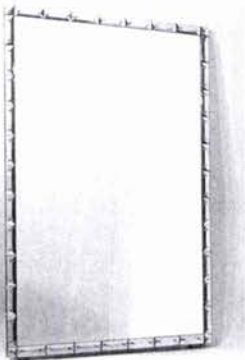


YES

STAIN-X IS A POWERFUL ACID PRODUCT – SAFETY GLASSES AND GLOVES SHOULD BE WORN WHEN USING STAIN-X!!!

DO NOT USE ON THE FOLLOWING ITEMS---STAIN-X WILL DAMAGE THESE SURFACES.

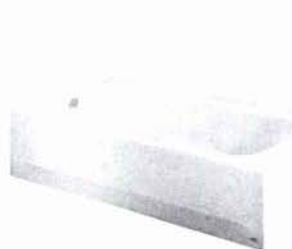
NO



NO



NO





# MATERIAL SAFETY DATA SHEET

## SECTION I - IDENTITY AND MANUFACTURER'S INFORMATION

Manufactured for  
H & H Chemical Co.  
4211 Common St.  
Lake Charles, LA 70608  
PHONE: (800) 928-7827

Product Name: **Stain-X**  
FORMULA NO: F1030

HMS RATING: HEALTH: 3 REACTIVITY: 2  
FIRE: 0 EQUIPMENT: C

## SECTION II - HAZARDOUS INGREDIENT INFORMATION

	CAS No.	OSHA PEL	ACGIH TLV
AMMONIUM BIFLUORIDE	1341-49-7	2.5MG(F)/M3	2.5MG(F)/M3
WATER, SURFACTANT - BALANCE		NA	NA

## SECTION III - PHYSICAL PROPERTIES

BOILING RANGE: >212 F  
SPECIFIC GRAVITY (H<sub>2</sub>O = 1): 1.0  
VAPOR PRESSURE (mm Hg): <1  
VAPOR DENSITY (AIR = 1): <1  
SOLUBILITY IN H<sub>2</sub>O: Complete  
EVAPORATION RATE (WATER = 1): <1  
% VOLATILE: None  
pH: 8.0  
APPEARANCE AND ODOR: Clear water white liquid with a mild odor.

## SECTION IV - FIRE AND EXPLOSION DATA

FLAMMABILITY LIMITS (% IN AIR): N/A  
FLASH POINT (CC): N/A  
FLAMMABILITY CLASSIFICATION: NON-FLAMMABLE  
RECOMMENDED EXTINGUISHING MEDIA: CO2 Dry Chemical Foam. Do not use water  
SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should be equipped with appropriate protective apparel and NIOSH approved breathing apparatus.  
UNUSUAL FIRE/EXPLOSION HAZARDS: Decomposes on heating.  
Fumes corrosive and toxic

## SECTION IV - HEALTH INFORMATION

EYES: May cause irritation with possible burns to tissue.  
Permanent eye damage may result.  
SKIN: May cause irritation with possible burns to tissue.  
Effects of skin contact may not appear immediately.  
INGESTION: May cause nausea, vomiting, diarrhea, abdominal pain,  
followed by symptoms of weakness, tremors, convulsions,  
coma. May affect heart and circulatory system.  
INHALATION: Inhaled spray mist may cause irritation to the respiratory  
tract. Irritation effects may not appear immediately.

### EMERGENCY FIRST AID PROCEDURES:

Eye Contact - Immediately flush eye with water for 15 minutes, holding upper and lower eyelids open to ensure complete flush. Call a physician immediately.

### "ADDITIONAL INFORMATION"

This information is believed to be accurate and represents the best information currently available to Purochem. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information.

## SECTION V - HEALTH INFORMATION (cont'd)

### EMERGENCY FIRST AID PROCEDURES CONTINUED:

Skin Contact - Remove contaminated clothing/shoes. Wash all areas with soap and water for 15 minutes. Apply bandages soaked with magnesium sulfate. Call physician immediately.  
Ingestion - Administer milk, chewable calcium carbonate tablets or milk of magnesia. Never give anything by mouth to an unconscious person. Call a physician immediately.  
Inhalation - Remove to fresh air. If breathing is difficult, give oxygen. Call a physician if breathing problems persist.

1) ACUTE HEALTH - Causes chemical burns

2) CHRONIC HEALTH - May cause bone damage and fluorosis. Symptoms may include brittle bones, weight loss, anemia, calcified ligaments.

National Toxicologic Program Carcinogen:	YES	NO
I.A.R.C. Monographs Carcinogen:	YES	NO
OSHA Carcinogen:	YES	NO

## SECTION VI - REACTIVITY DATA

STABILITY: Stable under normal conditions  
CONDITIONS TO AVOID: Damp storage areas  
INCOMPATIBILITY WITH OTHER MATERIALS: Strong acids or alkali  
Product will etch glass  
HAZARDOUS DECOMPOSITION PRODUCTS: Heat, contact with strong acids or alkali liberates hydrogen fluoride and/or ammonia.  
HAZARDOUS POLYMERIZATION: Will not occur  
CONDITIONS TO AVOID: See incompatibility statement

## SECTION VII - SPILL OR LEAK PROCEDURES

### PROCEDURES IF MATERIAL IS SPILLED OR RELEASED:

Small spills may be flushed to sewer. Large spills should be contained and neutralized with base. Wear proper protective equipment as per section VIII below

### WASTE DISPOSAL PROCEDURES:

Neutralized product can be released to sanitary sewer or in accordance with local, state and Federal ordinances.

## SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: None required if product is not being sprayed  
VENTILATION: Local exhaust sufficient  
PROTECTIVE GLOVES: Rubber or neoprene  
EYE PROTECTION: Chemical goggles or full face shield  
OTHER PROTECTIVE EQUIPMENT: Eye wash station

## SECTION IX - ADDITIONAL PRECAUTIONS

### PRECAUTIONS IN HANDLING AND STORAGE AND OTHER PRECAUTIONS:

Practice good industrial hygiene in the handling of these products. Avoid spills and splashing of opened products. Store product in tightly closed original container. Do not repackage in glass or metal containers. Store in a cool dry place. Store away from other chemicals. Provide adequate ventilation. **KEEP OUT OF REACH OF CHILDREN.**

Prepared by: Technical Services. Revised 02/2006

**90102232**

**QUAT-SHOT PLUS**

**Disinfectant**

# SAFETY DATA SHEET



Horizon Quat Shot Plus

## Section 1. Identification

GHS product identifier : Horizon Quat Shot Plus

Other means of identification : Not available.

Product type : Liquid.

### Relevant identified uses of the substance or mixture and uses advised against

Not applicable.

Supplier's details : Betco Corporation  
1001 Brown Avenue  
Toledo, OH 43607  
www.betco.com  
888-462-3826

Emergency telephone number (with hours of operation) : Chemtrec 800-424-9300 (24 Hour)

## Section 2. Hazards identification

OSHA/HCS status : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product. This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of nonpesticide chemicals. Please read complete product label.

Classification of the substance or mixture : SKIN CORROSION/IRRITATION - Category 2  
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A

### GHS label elements

Hazard pictograms :



Signal word : Warning (Per OSHA) DANGER (Per EPA)

Hazard statements : Causes serious eye irritation.  
Causes skin irritation.  
(Previous statements per OSHA)  
Corrosive. Causes irreversible eye damage.  
Harmful if swallowed.  
(Previous statements per EPA.)

### Precautionary statements

Prevention : Wear protective gloves: < 1 hour (breakthrough time): disposable vinyl. Wear eye or face protection: Recommended: safety glasses. Wash hands thoroughly after handling.

Response : IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Storage : Not applicable.

Disposal : Not applicable.



## Section 4. First aid measures

- |                     |  |
|---------------------|--|
| <b>Eye contact</b>  | : Adverse symptoms may include the following:<br>pain or irritation<br>watering<br>redness |
| <b>Inhalation</b>   | : No specific data.  |
| <b>Skin contact</b> | : Adverse symptoms may include the following:<br>irritation<br>redness                     |
| <b>Ingestion</b>    | : No specific data.  |

### Indication of immediate medical attention and special treatment needed, if necessary

- |                                   |  |
|-----------------------------------|--|
| <b>Notes to physician</b>         | : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.  |
| <b>Specific treatments</b>        | : No specific treatment.   |
| <b>Protection of first-aiders</b> | : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. |

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

- |   |   |
|---|---|
| <b>Suitable extinguishing media</b>                   | : Use an extinguishing agent suitable for the surrounding fire.   |
| <b>Unsuitable extinguishing media</b>                 | : None known.   |
| <b>Specific hazards arising from the chemical</b>     | : In a fire or if heated, a pressure increase will occur and the container may burst.   |
| <b>Hazardous thermal decomposition products</b>       | : Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>metal oxide/oxides  |
| <b>Special protective actions for fire-fighters</b>   | : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| <b>Special protective equipment for fire-fighters</b> | : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.                         |

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- |                                    |  |
|------------------------------------|--|
| <b>For non-emergency personnel</b> | : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. |
| <b>For emergency responders</b>    | : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".  |
| <b>Environmental precautions</b>   | : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).  |

### Methods and materials for containment and cleaning up



## Section 8. Exposure controls/personal protection

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles. Recommended: safety glasses

### Skin protection

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. < 1 hour (breakthrough time): disposable vinyl

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Personal protective equipment (Pictograms)** :



## Section 9. Physical and chemical properties

### Appearance

**Physical state** : Liquid.

**Color** : Blue.-Green.

**Odor** : Fruity. Floral.

**Odor threshold** : Not available.

**pH** : 6.5 to 8

**Melting point** : Not available.

**Boiling point** : Not available.

**Flash point** : Closed cup: 99°C (210.2°F) [Product does not sustain combustion.]

**Evaporation rate** : Not available.

**Flammability (solid, gas)** : Not available.

**Lower and upper explosive (flammable) limits** : Not available.

**Vapor pressure** : Not available.

## Section 11. Toxicological information

### Carcinogenicity

Not available.

### Classification

Product/ingredient name	OSHA	IARC	NTP
Isopropyl alcohol	-	3	-

### Reproductive toxicity

Not available.

### Teratogenicity

Not available.

### Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
Isopropyl alcohol	Category 3	Not applicable.	Narcotic effects

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

### Information on the likely routes of exposure

: Routes of entry anticipated: Oral, Dermal.  
Routes of entry not anticipated: Inhalation.

### Potential acute health effects

**Eye contact** : Causes serious eye irritation. (Per OSHA) Causes irreversible eye damage. (Per EPA)  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : Causes skin irritation.  
**Ingestion** : No known significant effects or critical hazards. (Per OSHA) Harmful if swallowed. (Per EPA)

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness  
**Inhalation** : No specific data.  
**Skin contact** : Adverse symptoms may include the following:  
irritation  
redness  
**Ingestion** : No specific data.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

### Potential chronic health effects

## Section 12. Ecological information

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	ADR/RID	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-	-	-
Transport hazard class(es)	-	-	-	-	-	-
Packing group	-	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.	No.
Additional information	-	-	-	-	-	-

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** : Not available.

## Section 15. Regulatory information

**U.S. Federal regulations** : **TSCA 4(a) proposed test rules:** Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides  
**TSCA 8(a) PAIR:** 2-(4-tert-butylbenzyl)propionaldehyde  
**TSCA 8(a) CDR Exempt/Partial exemption:** Not determined  
**Commerce control list precursor:** 2,2',2''-nitrilotriethanol  
 Not determined.  
**Clean Water Act (CWA) 307:** disodium [29H,31H-phthalocyaninedisulphonato(4-)-N29,N30,N31,N32]cuprate(2-)

## Section 15. Regulatory information

### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

### International lists

#### National inventory

Australia	: Not determined.
Canada	: Not determined.
China	: Not determined.
Europe	: Not determined.
Japan	: Not determined.
Malaysia	: Not determined.
New Zealand	: Not determined.
Philippines	: Not determined.
Republic of Korea	: Not determined.
Taiwan	: Not determined.

## Section 16. Other information

### Hazardous Material Information System (U.S.A.)

Health	2
Flammability	1
Physical hazards	0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

### National Fire Protection Association (U.S.A.)



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

### Procedure used to derive the classification

Classification	Justification
Skin Irrit. 2, H315 Eye Irrit. 2A, H319	Calculation method Calculation method

### History

Date of printing	: 4/15/2015.
Date of issue/Date of revision	: 4/15/2015.



H & H Chemical Company  
PO Box 7369  
Lake Charles, LA 70606

Material Safety Data Sheet  
Prepared in Accordance with 29 CFR 1910.1200

Emergency Response#  
1-800-926-7627

#### Section 1 - Product and Company Identification

Product Name	315 Quat Shot	Chemical Family	Not available.	NPCA Hazardous Material Identification System
Generic Description	Neutral pH Disinfectant/Deodorant/Detergent	Formula	Not applicable.	Health 2
Supplier	H&H Chemical Co. 1403 Hodges Street Lake Charles, LA 70601	Phone:	(419) 241-2156	Flammability 0
		Emergency phone:	Chemtrec (800) 424-9300	Physical Hazard 0

#### Section 2-Ingredients:

Ingredient Name	CAS #	% by Weight	TLV/PEL	Carcinogenic Effects
1) Quaternary Ammonium Chloride	68424-85-1	2	Not available.	Not available.
2) Isopropyl Alcohol	67-63-0	1-5	TWA: 400 (ppm) TWA: 400 (ppm) from OSHA (PEL) [United States] STEL: 500 (ppm)	Not available.
3) Nonionic Surfactant	9016-45-9	1-5	Not available.	Not available.

#### Section 3-Physical and Chemical Properties

Boiling point	212°F initial	Specific Gravity	1 (Water = 1)
Vapor Pressure	20mm Hg @ 68°F	Vapor density:	>1 (Air = 1)
Volatility	90	pH	6.5 to 8.5 [Basic]
Solubility	Easily soluble in cold water.	Evaporation Rate	<1
Physical State and Appearance	Odor		

Liquid. Yellow. (Light.) Lemon like

#### Section 5 - Reactivity Data

Stability	The product is stable.
Incompatibility	None known.
Hazardous Decomposition Products	Not available.
Hazardous Polymerization	Will not occur.

#### Section 4-Fire/Explosion Hazards

Flash points (closed cup)	Not available.	Explosion Limits
Extinguishing media	N/A	Not available.
Fire-Fighting Measures	Wear full protective clothing Use extinguishing media indicated.	
Explosion Hazards	Not applicable	

#### Section 6-Storage

Precautions to be taken in handling and storage  
Avoid breathing vapors or spray mists.  
Keep out of the reach of children. Not for use or storage in or around the home.

#### Section 7-Health Hazards/ FIRST AID

Chronic Effects:	Over-exposure by inhalation may cause respiratory irritation. Repeated skin exposure can produce local skin destruction, or dermatitis.
ROUTES OF ENTRY	FIRST AID MEASURES
Skin	Defatting to skin on repeated contact. Wash gently and thoroughly the contaminated skin with running water and non-abrasive soap. Seek medical attention.
Eyes	Eye irritant. May cause redness and swelling of the conjunctiva. Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek immediate medical attention.
Inhalation	Slightly irritating to the respiratory system. Allow the victim to rest in a well ventilated area.
Ingestion	May be irritating to the gastrointestinal system. Vomiting and diarrhea expected with large doses. Dilute with two glasses of water. Seek medical attention.
Medical Conditions aggravated by Exposure	Repeated or prolonged exposure is not known to aggravate medical condition.

#### Section 8- Personal Protection

Protective Clothing	Ventilation	
Eye/Face Protection	Safety glasses.	Good general ventilation should be sufficient to control airborne levels.
Hand/Arm Protection	Gloves.	
Respiratory Protection	Not applicable.	
Other Special Considerations	Not applicable.	

#### Section 9-Large Spill and Leak

Methods for cleaning up Spill	Methods of disposal
Absorb with an inert material and put the spilled material in an appropriate waste disposal.	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
SARA 313	

SARA 313 toxic chemical notification and release reporting: No products were found.

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

# MATERIAL SAFETY DATA SHEET

## (SIMILAR TO OSHA FORM 174)

N.A. = Not Applicable  
Not Est. = Not Established  
Prop. = Proprietary

### SECTION 1 - MANUFACTURER / DISTRIBUTOR INFORMATION

**Product Name:** NEUTRAL-Q Disinfectant Cleaner Deodorant  
**Supplier's Name:** National Chemical Laboratories of PA, Inc.  
**Supplier's Address:** 401 N. 10<sup>th</sup> Street - Philadelphia PA 19123  
**HMIS Hazard Code:** Health: 2 Flammability: 0 Reactivity: 0 Other: 0  
**Chemical Family:** Disinfectant Cleaner  
**D.O.T. Shipping Name:** Disinfectant Liquid Corrosive, NOS (Quaternary Ammonium Compound)  
**Product #:** 0248  
**Emergency Phone #:** CHEM-TEL (800) 255-3924  
**Chemical Name:** N.A. Proprietary Blend  
**Formula:** N.A. Blended Product  
**Hazard Class:** 8 **D.O.T. ID#:** UN1903

### SECTION 2 - HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS NUMBER	% Concentration Range	Hazard Ratings (TLV/PEL)
Alkyl dimethyl benzyl ammonium chloride (C12-16)	68424-85-1	PROP	N/A
Didecyl dimethyl ammonium chloride	7173-51-5	PROP	N/A

### SECTION 3 - PHYSICAL DATA

**Specific Gravity:** 1.000  
**Vapor Density:** Estimated to be heavier than air  
**Odor:** Sienna  
**Vapor Pressure:** Not determined  
**Solubility in Water:** Complete  
**Evaporation Rate:** Not Determined  
**Appearance:** Opal

### SECTION 4 - FIRE AND EXPLOSION DATA

**Flash Point (°C):** None when heated to 105°C (Tag Closed Cup)  
**Upper and Lower Flame Limits:** Not determined.  
**Fire fighting Equipment & Instructions:** Firefighters should wear full protective clothing including self-contained breathing apparatus. Cool fire exposed containers with spray.  
**Extinguishing media:** Dry chemical, foam, carbon dioxide, water fog or any other agent suitable for surrounding fire.  
**Hazardous Combustion Products:** Irritating and toxic gases or fumes may be released during a fire.  
**Unusual Fire & Explosion Hazards:** Combustion products are toxic.

### SECTION 5 - HEALTH HAZARD DATA

**Potential Health Effects:** **Skin:** Causes corrosive burns. Brief exposures may cause irritation and defatting of the skin. Exposures not promptly washed off may lead to toxic effects similar to ingestion. Harmful if absorbed through the skin. **Eyes:** Causes burns and may result in permanent injury to eyes including blindness. **Inhalation:** Mists and vapors can irritate the throat and respiratory tract. High vapor concentrations may cause central nervous system effects. Symptoms may include headaches, dizziness, and drowsiness. Harmful if inhaled. **Ingestion:** Ingestion can cause gastrointestinal irritation, swelling of the larynx, difficulty in breathing, circulatory shock, convulsions and possibly death. **Chronic:** Ingestion of ethanol by pregnant women can cause reproductive toxicity to the fetus.  
**First Aid Measures:** **Eyes:** Immediately flush eyes with water for 15-20 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention at once. **Skin or Clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. **Inhalation:** If symptoms are experienced, move victim to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice. **Ingestion:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. **NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

### SECTION 6 - REACTIVITY DATA

**Stability:** Material is stable.  
**Conditions to Avoid:** Keep away from heat and strong oxidizing agents.  
**Incompatibility:** Strong oxidizing agents (may result in fire.), reducing agents.  
**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, hydrogen chloride vapors.  
**Hazardous Polymerization:** Will not occur.

### SECTION 7 - SPILL OR LEAK PROCEDURES

**Spill and Leak Procedures:** **Emergency Action:** Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind. Keep out of low areas where vapors may accumulate. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). **Spill Cleanup:** Ventilate closed spaces before entering. All equipment used when handling the product must be grounded. Floor will be slippery. Do not touch or walk through spilled material. Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.  
**Large Spills:** Dike far ahead of liquid spill for later disposal. Pump into containers for disposal.  
**Waste disposal method:** This substance, when discarded or disposed of, is a characteristic hazardous waste according to the Federal regulation (40 CFR 261) and is assigned the EPA Hazardous Waste Number of D001. The discarding or disposal of this material must be done at a properly permitted facility in accordance with the regulations of 40 CFR 262, 263, 264, and 268. Additionally, the discarding or disposal of this material may be further regulated by state, regional, or local regulations. Chemical additions, processing or otherwise altering this material may make the waste management information present in this MSDS incomplete, inaccurate or otherwise inappropriate. The transportation, storage, treatment and disposal of this waste material must be conducted in compliance with all applicable Federal, state, and local regulations.

### SECTION 8 - SPECIAL PROTECTION INFORMATION

**Engineering Controls:** Provide adequate local exhaust ventilation (explosion proof) to maintain worker exposure below exposure limits.  
**Personal Protective Equipment:** **Eyes/Face:** Wear chemical goggles. Use a face shield if splashing is possible. **Skin:** Use impervious gloves (rubber or neoprene). Wear suitable protective clothing. **Respiratory:** If exposure limits are exceeded or if irritation is experienced, a NIOSH/MSNA approved respirator or an organic/vapor removing cartridge respirator protection device should be worn. Ventilation and other forms of engineering controls are often the preferred means for controlling chemical exposures. Respiratory protection may be needed for non-routine or emergency situations. **General:** Eye wash fountain and emergency showers are recommended.

### SECTION 9 - SPECIAL PRECAUTIONS

**Handling Procedures:** Avoid contact with skin and eyes. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet facilities. Wash thoroughly after work using soap and water.  
**Storage Procedures:** Keep the container tightly closed and in a cool, well-ventilated place. Keep from freezing. Do not handle or store near an open flame, heat or other sources of ignition. Prevent electrostatic charge buildup by using common bonding and grounding techniques.  
**Other Precautions:** It is a violation of federal law to use this product in a manner inconsistent with its labeling. Keep out of reach of children. For professional use only.

The information contained in this MSDS was obtained from current and reliable sources, however the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of this company, it is not responsible for loss, injury and expense arising out of the product's improper use. No warranty, expressed or inferred, regarding the product described in this MSDS shall be created or inferred by any statement in this MSDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use or disposal of this product which may be covered by this MSDS. The user is responsible for full compliance.

Date Prepared - 07/08/08 By: G.C.



# Spartan Chemical Company, Inc.

## Material Safety Data Sheet

### SECTION I: PRODUCT INFORMATION

Product Name or Number (as it appears on label):

**DMQ DAMP MOP NEUTRAL DISINFECTANT CLEANER**

Product Number: 1062

Product Division:

**Janitorial**

**Spartan Chemical Company, Inc.**  
**1110 Spartan Drive**  
**Maumee OH 43537**

Product/Technical Information: **1-(800)-537-8990**

Medical Emergency: **1-(888)-314-6171 (24 hours)**

Chemical Leak/Spil Emergency: **CHEMTREC 1-(800) 424-9300 (24 hours)**

Shipping Description: Cleaning compounds, liquid, n.o.s.

NFPA Ratings:	HMIS Ratings:
<b>Health:</b> 3 - Serious <b>Fire:</b> 0 - Minimal <b>Reactivity:</b> 0 - Minimal	<b>Health:</b> 3 - Serious <b>Fire:</b> 0 - Minimal <b>Reactivity:</b> 0 - Minimal <b>Pers. Prot. Equip.:</b> See Section VIII

### SECTION II: HAZARDOUS INGREDIENTS

(Listed when present at 1% or greater, carcinogens at 0.1% or greater) All component chemicals are listed or exempted from listing on the "TSCA Inventory" of chemical substances maintained by the U.S. Environmental Protection Agency.

Chemical Name(s)	%Wt	CAS Registry No.	Table Z-1-A			NTP, IARC or OSHA Carcinogen
			TWA mg/m <sup>3</sup>	STEL mg/m <sup>3</sup>	CEILING mg/m <sup>3</sup>	
Alkyl dimethyl benzyl ammonium chloride	1-5	68424-85-1	Not Established	Not Established	Not Established	No
Nonyl phenol ethoxylate	1-5	9016-45-9	Not Established	Not Established	Not Established	No
Isopropyl alcohol	1-5	67-63-0	Not Established	Not Established	Not Established	No

### SECTION III: PHYSICAL DATA

Boiling Point: 210 °F	Vapor Pressure: Unknown
Vapor Density (AIR = 1): Unknown	Solubility in Water: Complete
pH: 5.0-6.0	Specific Gravity (H <sub>2</sub> O=1): 1.00
Evaporation Rate (but.ace.=1): <1	Percent Solid by Weight: 5-10
Physical State: Liquid	
Appearance & Odor: Yellow liquid, lemon fragrance.	

### SECTION IV: FIRE & EXPLOSIVE HAZARD DATA

Flash Point: > 200°F	Method Used: ASTM-D56
Flammable Limits: N/A	Flame Extension: N/A
Extinguishing Media: Product does not support combustion. Use extinguishing media appropriate for surrounding fire.	
Special Fire Fighting Procedures: Wear NIOSH approved self-contained breathing apparatus and protective clothing. Cool fire-exposed containers with water spray.	
Unusual Fire & Explosive Hazards: Combustion products are toxic.	



**SECTION V: HEALTH HAZARD DATA**

Threshold Limit Value:	Not Established	Primary Routes of Entry:	Inhalation, Skin Contact, Eyes & Oral
Effects of Overexposure:	<b>CORROSIVE:</b>		
Conditions to Avoid:	<b>CAUSES IRREVERSIBLE EYE DAMAGE:</b> Symptoms may include pain, redness, swelling of the conjunctiva and tissue damage. <b>HARMFUL TO SKIN:</b> Causes skin irritation with symptoms of pain, redness and possible chemical burns. Harmful if absorbed through the skin. <b>HARMFUL IF SWALLOWED:</b> Symptoms may include nausea, vomiting, pain and diarrhea. <b>INHALATION OF SPRAY MIST MAY CAUSE RESPIRATORY IRRITATION:</b> Breathing spray mist may cause coughing and difficulty breathing. <b>Do not get in eyes, on skin or clothing. Do not taste or swallow. Avoid inhalation of spray mist. Wash thoroughly with soap and water after handling.</b>		
Conditions Aggravated by Use:	Use of this product may aggravate preexisting skin; eye and respiratory disorders including asthma and dermatitis.		

**Emergency & First Aid Procedures:**

Eyes:	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses after the first 5 minutes then continue rinsing eye. Call a poison control center or doctor for treatment advice.
Skin:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. Wash contaminated clothing before reuse.
Ingestion:	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
Inhalation:	In case of respiratory irritation; move person to fresh air. Get medical attention if irritation persists.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

**SECTION VI: REACTIVITY DATA**

Stability:	Stable	Incompatible Materials:	Strong oxidizers
Hazardous Decomposition Products:	CO, CO <sub>2</sub>	Hazardous Polymerization:	Will Not Occur

**SECTION VII: SPILL OR LEAK PROCEDURES**

Steps to be Taken in Case Material is Released or Spilled:	Small spills of one gallon or less may be flushed with plenty of water to sanitary sewer system (If permitted by local sewer regulations). Dike and contain large spills with inert material and transfer liquid to containers for recovery or disposal.
Waste Disposal Method:	Same as above. Container disposal: Triple rinse (or equivalent) then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate, or if allowed by state and local authorities, burn. If burned, stay out of smoke.

**SECTION VIII: SPECIAL PROTECTION INFORMATION**

Respiratory Protection:	Not normally required when good general ventilation is provided. However, if respiratory irritation occurs, use of a NIOSH approved respirator suitable for the use-conditions and chemicals in Section II should be considered.
Ventilation:	Provide good general ventilation. Local exhaust ventilation may be necessary for some operations.
Protective Gloves(Specify Type):	Rubber or other water-proof gloves are recommended.
Eye Protection(Specify Type):	Splash goggles are recommended to prevent eye contact.
Other Protective Equipment:	Eye wash stations and washing facilities should be readily accessible in areas where undiluted product is handled.. See 29 CFR 1910.132-138 for further guidance.

**SECTION IX: SPECIAL PRECAUTIONS**

Precautions; Handling & Storing:	Keep from freezing.
Other Precautions:	Keep out of reach of children.

© SCC 06/30/2005

Name: Ronald T. Cook

Title: Manager, Regulatory Affairs

**DMQ DAMP MOP NEUTRAL  
DISINFECTANT CLEANER**

Effective Date: 06/30/2005

Supersedes: 12/01/2003

Ref: 29 CFR 1910.1200 (OSHA)

Changes: Update Section IX

This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained herein. Actual conditions of use and handling are beyond sellers control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State and Local laws and regulations.



91000030

**LYSOL**  
**Disinfectant Spray**

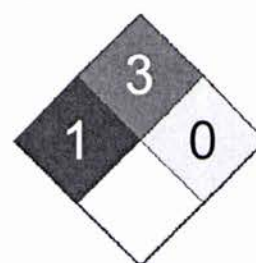
### 1. Product and Company Identification

**Product Name** Professional LYSOL® Brand III - Disinfectant Spray - All Scents (Aerosol) - USA  
**UPC CODES** Refer to section 16  
**CAS #** Mixture  
**Product use** Disinfectant  
**Distributed by** Reckitt Benckiser  
 Morris Corporate Center IV  
 399 Interpace Parkway  
 P.O. Box 225  
 Parsippany, NJ 07054-0225  
 In Case of Emergency: 1-800-228-4722

Transportation Emergencies: 24 Hour Number:  
 North America: CHEMTREC: 1-800-424-9300  
 Outside North America: 1-703-527-3887

LEGEND HMIS/NFPA	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	* 1
Flammability	3
Physical Hazard	0
Personal Protection	B



### 2. Hazards Identification

#### Emergency overview

This product is regulated by the US EPA as a disinfectant.

Extremely flammable.

#### CAUTION

Contents under pressure. Do not puncture or incinerate container. Containers may explode when heated. Keep away from heat, sparks and flame.

Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

Keep out of reach of children.

#### Potential short term health effects

##### Routes of exposure

Eye, Skin contact, Inhalation, Ingestion.

##### Eyes

Moderately irritating to the eyes.

##### Skin

May cause irritation. Not a skin sensitizer based on test data.

##### Inhalation

Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness).

##### Ingestion

Not a normal route of exposure. May cause stomach distress, nausea or vomiting.

#### Target organs

Blood. Eyes. Liver. Respiratory system. Skin.

#### Chronic effects

Prolonged or repeated exposure can cause drying, defatting and dermatitis.

#### Signs and symptoms

Symptoms may include redness, edema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

### 3. Composition / Information on Ingredients

Ingredient(s)	CAS #	Percent
Ethanol	64-17-5	40 - 60
Petroleum gases, liquefied, sweetened	68476-86-8	2.5 - 10
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, salts with 1,2-benzisothiazol-3(2H)-one 1,1-dioxide (1:1)	68989-01-5	0.1 - 1

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## 4. First Aid Measures

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### First aid procedures

#### Eye contact

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

#### Skin contact

Immediately flush with cool water for 15 minutes while removing contaminated clothing and shoes. Discard or wash well before reuse. Obtain medical attention if irritation persists.

#### Inhalation

Move victim to fresh air. If symptoms persist, obtain medical attention.

#### Ingestion

Call a physician or Poison Control Centre immediately. Have victim rinse mouth thoroughly with water. Do not induce vomiting.

### Notes to physician

Contains denatured ethanol; ingestion may result in ethanol poisoning. Symptoms may be delayed.

### General advice

Do not puncture or incinerate container. Keep away from sources of ignition. No smoking. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

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## 5. Fire Fighting Measures

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### Flammable properties

Flammable aerosol by flame projection test.  
Aerosol flame extension less than 18 inches (45 cm).  
Containers may explode when heated.

### Extinguishing media

#### Suitable extinguishing media

Treat for surrounding material.

#### Unsuitable extinguishing media

Not available

### Protection of firefighters

#### Specific hazards arising from the chemical

Contents under pressure. Pressurized container may explode when exposed to heat or flame. Cool containers with flooding quantities of water until well after fire is out.

#### Protective equipment for firefighters

Firefighters should wear full protective clothing including self contained breathing apparatus.

### Hazardous combustion products

May include and are not limited to: Oxides of carbon.

### Explosion data

#### Sensitivity to mechanical impact

Not available

#### Sensitivity to static discharge

Not available

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## 6. Accidental Release Measures

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### Personal precautions

Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.

### Methods for containment

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.

### Methods for cleaning up

Before attempting clean up, refer to hazard data given above. Remove sources of ignition. Although the chance of a significant spill or leak is unlikely in aerosol containers, in the event of such an occurrence, absorb spilled material with a non-flammable absorbent such as sand or vermiculite.

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## 7. Handling and Storage

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### Handling

Use good industrial hygiene practices in handling this material.

### Storage

Keep out of reach of children. Do not store at temperatures above 49 °C (120.2°F). Keep away from heat, open flames or other sources of ignition.

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## 8. Exposure Controls / Personal Protection

### Exposure limits

Ingredient(s)	Exposure Limits
Ethanol	<b>ACGIH-TLV</b> TWA: 1000 ppm <b>OSHA-PEL</b> TWA: 1000 ppm
Petroleum gases, liquefied, sweetened	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, salts with 1,2-benzisothiazol-3(2H)-one 1,1-dioxide (1:1)	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established

### Engineering controls

General ventilation normally adequate.

### Personal protective equipment

#### Eye / face protection

Not normally required when used as directed. Avoid contact with eyes. Emergency responders should wear full eye and face protection.

#### Hand protection

Not normally required when used as directed. Avoid contact with the skin. Emergency responders should wear impermeable gloves.

#### Skin and body protection

As required by employer code.

#### Respiratory protection

Not normally required if good ventilation is maintained. Emergency responders should wear self-contained breathing apparatus (SCBA) to avoid inhalation of vapours generated by this product during a spill or other clean-up operations.

#### General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.

## 9. Physical and Chemical Properties

Appearance	Aerosol.
Color	Clear, Water white
Form	Misty spray
Odor	Characteristic
Odor threshold	Not available
Physical state	Gas
pH	10.5
Freezing point	Not available
Boiling point	Not available
Flash point	18.6 °C (65.48 °F)
Evaporation rate	Not available
Flammability limits in air, lower, % by volume	3.3
Flammability limits in air, upper, % by volume	19
Vapor pressure	756 - 825 kPa
Vapor density	Not available
Specific gravity	> 1
Octanol/water coefficient	Not available
Solubility (H <sub>2</sub> O)	Complete
Auto-ignition temperature	Not available
VOC (Weight %)	Not available



Viscosity	Not available
Percent volatile	Not available

## 10. Stability and Reactivity

<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Conditions to avoid</b>	Heat, open flames, static discharge, sparks and other ignition sources. Aerosol containers are unstable at temperatures above 49°C (120.2°F). Do not mix with other chemicals.
<b>Incompatible materials</b>	Oxidizers.
<b>Hazardous decomposition products</b>	May include and are not limited to: Oxides of carbon.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.

## 11. Toxicological Information

### Component analysis - LC50

Ingredient(s)	LC50
Ethanol	31623 ppm rat
Petroleum gases, liquefied, sweetened	Not available
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, salts with 1,2-benzisothiazol-3(2H)-one 1,1-dioxide (1:1)	Not available

### Component analysis - Oral LD50

Ingredient(s)	LD50
Ethanol	3450 mg/kg mouse; 7060 mg/kg rat
Petroleum gases, liquefied, sweetened	Not available
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, salts with 1,2-benzisothiazol-3(2H)-one 1,1-dioxide (1:1)	Not available

### Effects of acute exposure

<b>Eye</b>	Moderately irritating to the eyes.
<b>Skin</b>	May cause irritation. Not a skin sensitizer based on test data.
<b>Inhalation</b>	Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness).
<b>Ingestion</b>	Not a normal route of exposure. May cause stomach distress, nausea or vomiting.
<b>Sensitization</b>	The finished product is not expected to have chronic health effects.
<b>Chronic effects</b>	The finished product is not expected to have chronic health effects.
<b>Carcinogenicity</b>	The finished product is not expected to have chronic health effects.

### ACGIH - Threshold Limit Values - Carcinogens

Ethanol	64-17-5	A4 - Not Classifiable as a Human Carcinogen
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<b>Mutagenicity</b>	The finished product is not expected to have chronic health effects.
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<b>Reproductive effects</b>	The finished product is not expected to have chronic health effects.
<b>Teratogenicity</b>	The finished product is not expected to have chronic health effects.

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## 12. Ecological Information

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### Ecotoxicity

Components of this product have been identified as having potential environmental concerns.

#### Ecotoxicity - Freshwater Fish Species Data

Ethanol	64-17-5	96 Hr LC50 Oncorhynchus mykiss: 12.0-16.0 mL [static]; 96 Hr LC50 Pimephales promelas: >100 mg/L [static]; 96 Hr LC50 Pimephales promelas: 13400-15100 mg/L [flow-through]
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#### Ecotoxicity - Microtox Data

Ethanol	64-17-5	5 Min EC50 Photobacterium phosphoreum: 35470 mg/L; 30 min EC50 Photobacterium phosphoreum: 34634 mg/L
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#### Ecotoxicity - Water Flea Data

Ethanol	64-17-5	48 Hr LC50 Daphnia magna: 9268 mg/L; 24 Hr EC50 Daphnia magna: 10800 mg/L
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Environmental effects	Not available
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Aquatic toxicity	Not available
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Persistence / degradability	Not available
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Bioaccumulation / accumulation	Not available
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Partition coefficient	Not available
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Mobility in environmental media	Not available
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Chemical fate information	Not available
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## 13. Disposal Considerations

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Waste codes	Not available
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Disposal instructions	Dispose in accordance with all applicable regulations.
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Waste from residues / unused products	Not available
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Contaminated packaging	Not available
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## 14. Transport Information

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### U.S. Department of Transportation (DOT)

UN1950, Aerosols, Class 2.1 Re-Classed as Consumer Commodity ORM-D

### Transportation of Dangerous Goods (TDG - Canada)

UN 1950, Aerosols, Class 2.1 Re-Classed as Consumer Commodity/LTD. QTY.

UN 1950, Aerosols, Class 2.1, Limited Quantity

## IATA/ICAO (Air)

UN 1950, Aerosols, Flammable, Limited Quantity or Consumer Commodity,  
ID 8000 if acceptable to airline.

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**15. Regulatory Information**

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<b>US Federal regulations</b>	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. EPA Registration No. - 777-99-675
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**Occupational Safety and Health Administration (OSHA)**

29 CFR 1910.1200 hazardous chemical	Yes
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**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

<b>Hazard categories</b>	Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - Yes Pressure Hazard - Yes Reactivity Hazard - No
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<b>Section 302 extremely hazardous substance</b>	No
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<b>Section 311 hazardous chemical</b>	Yes
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<b>Clean Air Act (CAA)</b>	Not available
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<b>Clean Water Act (CWA)</b>	Not available
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## State regulations

### U.S. - Massachusetts - Right To Know List

Ethanol 64-17-5 Teratogen

### U.S. - Minnesota - Hazardous Substance List

Ethanol 64-17-5 Present

### U.S. - New Jersey - Right to Know Hazardous Substance List

Ethanol 64-17-5 sn 0844

### U.S. - Pennsylvania - RTK (Right to Know) List

Ethanol 64-17-5 Present

### U.S. - Rhode Island - Hazardous Substance List

Ethanol 64-17-5 Toxic; Flammable

## Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

## 16. Other Information

### Disclaimer

This product should only be used as directed on the label and for the purpose intended. To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

### Further information

Caution: Keep out of reach of children. Avoid contact with eyes and skin.

#### UPC CODES:

36241-04625-5 - Professional LYSOL® Brand III - Disinfectant Spray - Country Scent® -(19 oz);  
36241-74828-9 - Professional LYSOL® Brand III - Disinfectant Spray - Crisp Linen® -(19 oz);  
36241-04675-0 - Professional LYSOL® Brand III - Disinfectant Spray - Fresh - (19 oz);  
36241-80571-5 - Professional LYSOL® Brand III - Disinfectant Spray - Garden Mist® - (19 oz);  
36241-04650-7 - Professional LYSOL® Brand III - Disinfectant Spray - Original Scent - (19 oz);  
36241-76075-5 - Professional LYSOL® Brand III - Disinfectant Spray - Spring Waterfall® - (19 o

#### FORMULA NUMBER:

0081285 - Country Scent®;  
0081281 - Crisp Linen®;  
0082445 - Fresh;  
0081286 - Garden Mist®;  
0081288 - Original Scent;  
0081280 - Spring Waterfall®

### Issue date

09-Jul-2010

### Effective date

15-Jun-2009

### Prepared by

Reckitt Benckiser Regulatory Department 800-333-3899



**91000010**

**DAWN**

**Dishwashing Liquid**

# SAFETY DATA SHEET



Issuing Date: 14-Apr-2015

Revision Date: 14-Apr-2015

Version 1

## 1. IDENTIFICATION

Product Name	DAWN Ultra Original
Product ID:	97234074_RET_NG
Product Type:	Finished Product - Consumer (Retail) Use Only
Recommended Use	Dish Care
Restrictions on Use	Use only as directed on label.
Synonyms	Dawn Ultra Total Clean - Pomegranate Awakening (97234081_RET_NG) Dawn Ultra Total Clean - Apple Orchard Harvest (97234083_RET_NG)
Manufacturer	PROCTER & GAMBLE - Fabric and Home Care Division Ivorydale Technical Centre 5289 Spring Grove Avenue Cincinnati, Ohio 45217-1087 USA  Procter & Gamble Inc. P.O. Box 355, Station A Toronto, ON M5W 1C5 1-800-331-3774
E-mail Address	pgsds.im@pg.com
Emergency Telephone	Transportation (24 HR) CHEMTREC - 1-800-424-9300 (U.S./ Canada) or 1-703-527-3887 Mexico toll free in country: 800-681-9531

## 2. HAZARD IDENTIFICATION

"Consumer Products", as defined by the US Consumer Product Safety Act and which are used as intended (typical consumer duration and frequency), are exempt from the OSHA Hazard Communication Standard (29 CFR 1910.1200). This SDS is being provided as a courtesy to help assist in the safe handling and proper use of the product.

This product is classified under 29CFR 1910.1200(d) and the Canadian Hazardous Products Regulation as follows:.

<u>Hazard Category</u>	
Eye Damage / Irritation	Category 2B
Signal Word	WARNING
Hazard Statements	Causes eye irritation
Hazard pictograms	None

<b>Precautionary Statements - Prevention</b>	Wash hands thoroughly after handling
<b>Precautionary Statements - Response</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention IF SWALLOWED: Drink 1 or 2 glasses of water
<b>Precautionary Statements - Storage</b>	None
<b>Precautionary Statements - Disposal</b>	None
<b>Hazards not otherwise classified (HNOC)</b>	None

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients are listed according to 29CFR 1910.1200 Appendix D and the Canadian Hazardous Products Regulation

Chemical Name	Synonyms	Trade Secret	CAS-No	Weight %
Sulfuric acid, mono-C10-16-alkyl esters, sodium salts	-	No	68585-47-7	15 - 20
Amine oxides, C10-16-alkyldimethyl	-	No	70592-80-2	5 - 10
Poly(oxy-1,2-ethanediyl), alpha-sulfo-omega-hydroxy-, C10-16-alkyl ethers, sodium salts	-	No	68585-34-2	5 - 10
Ethanol	-	No	64-17-5	1 - 5

### 4. FIRST AID MEASURES

#### First aid measures for different exposure routes

<b>Eye contact</b>	Rinse with plenty of water. Get medical attention immediately if irritation persists.
<b>Skin contact</b>	Rinse with plenty of water. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately if symptoms occur.
<b>Inhalation</b>	Move to fresh air. If symptoms persist, call a physician.
<b>Most important symptoms/effects, acute and delayed</b>	None under normal use conditions.

#### Indication of immediate medical attention and special treatment needed, if necessary

<b>Notes to Physician</b>	Treat symptomatically.
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### 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media</b>	Dry chemical, CO <sub>2</sub> , alcohol-resistant foam or water spray.
<b>Unsuitable Extinguishing Media</b>	None.

<b>Special hazard</b>	None known.
<b>Special protective equipment for fire-fighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
<b>Specific hazards arising from the chemical</b>	None.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	Use personal protective equipment. Do not get in eyes, on skin, or on clothing.
<b>Advice for emergency responders</b>	Use personal protective equipment as required.

### Methods and materials for containment and cleaning up

<b>Methods for containment</b>	Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.
<b>Methods for cleaning up</b>	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

## 7. HANDLING AND STORAGE

### Precautions for safe handling

<b>Advice on safe handling</b>	Use personal protective equipment as required. Keep container closed when not in use. Never return spills in original containers for re-use. Keep out of the reach of children.
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### Conditions for safe storage, including any incompatibilities

<b>Storage Conditions</b>	Keep containers tightly closed in a dry, cool and well-ventilated place.
<b>Incompatible products</b>	None known.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

Chemical Name	CAS-No	ACGIH TLV	OSHA PEL	Mexico PEL
Ethanol	64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	Mexico: TWA 1000 ppm Mexico: TWA 1900 mg/m <sup>3</sup>

Chemical Name	CAS-No	Alberta	Quebec	Ontario TWAEV	British Columbia
Ethanol	64-17-5	TWA: 1000 ppm TWA: 1880 mg/m <sup>3</sup>	TWA: 1000 ppm TWA: 1880 mg/m <sup>3</sup>	STEL: 1000 ppm	STEL: 1000 ppm

No relevant exposure guidelines for other ingredients

### Exposure controls

<b>Engineering Measures</b>	<b>Distribution, Workplace and Household Settings:</b> Ensure adequate ventilation
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**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction

### Personal Protective Equipment

#### Eye Protection

**Distribution, Workplace and Household Settings:**  
No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Use appropriate eye protection

#### Hand Protection

**Distribution, Workplace and Household Settings:**  
No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Protective gloves

#### Skin and Body Protection

**Distribution, Workplace and Household Settings:**  
No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Wear suitable protective clothing

#### Respiratory Protection

**Distribution, Workplace and Household Settings:**  
No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
In case of insufficient ventilation wear suitable respiratory equipment

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State @20°C

liquid

Appearance

Various color by product

Odor

Scented

Odor threshold

No information available

### Property

### Values

### Note

pH value

9

10% aqueous solution

Melting/freezing point

No information available

Boiling point/boiling range

No information available

Flash point

46.1 - 57.2 °C / 115 - 135 °F

Product is an aqueous solution containing <= 24% alcohol and > 50% water

Evaporation rate

No information available

Flammability (solid, gas)

No information available

Flammability Limits in Air

Upper flammability limit

No information available

Lower Flammability Limit

No information available

Vapor pressure

No information available

Vapor density

No information available

Relative density

1

Water solubility

No information available

Solubility in other solvents

No information available

Partition coefficient: n-octanol/water

No information available

Autoignition temperature

No information available

Decomposition temperature

No information available

Viscosity of Product

No information available

VOC Content (%)

Products comply with US state and federal regulations for VOC content in consumer

products.

## 10. STABILITY AND REACTIVITY

Reactivity	None under normal use conditions.
Stability	Stable under normal conditions.
Hazardous polymerization	Hazardous polymerization does not occur.
Hazardous Reactions	None under normal processing.
Conditions to Avoid	None under normal processing.
Materials to avoid	None in particular.
Hazardous Decomposition Products	None under normal use.

## 11. TOXICOLOGICAL INFORMATION

### Product Information

Information on likely routes of exposure

Inhalation	No known effect.
Skin contact	No known effect.
Ingestion	No known effect.
Eye contact	Irritating to eyes.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Acute toxicity	No known effect.
Skin corrosion/irritation	No known effect.
Serious eye damage/eye irritation	Irritating to eyes.
Skin sensitization	No known effect.
Respiratory sensitization	No known effect.
Germ cell mutagenicity	No known effect.
Neurological Effects	No known effect.
Reproductive toxicity	No known effect.
Developmental toxicity	No known effect.
Teratogenicity	No known effect.
STOT - single exposure	No known effect.
STOT - repeated exposure	No known effect.
Target Organ Effects	No known effect.
Aspiration hazard	No known effect.
Carcinogenicity	No known effect.

### Component Information

Chemical Name	CAS-No	LD50 Oral	LD50 Dermal	LC50 Inhalation
Amine oxides, C10-16-alkyldimethyl	70592-80-2	1330.00 mg/kg (rat)	-	-
Poly(oxy-1,2-ethanediyl), alpha-sulfo-omega-hydroxy-, C10-16-alkyl ethers, sodium salts	68585-34-2	>2001 mg/kg	-	-

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

The product is not expected to be hazardous to the environment.

Persistence and degradability	No information available.
Bioaccumulative potential	No information available.

**Mobility** No information available.

**Other adverse effects** No information available.

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment

**Waste from Residues / Unused Products** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**California Hazardous Waste Codes** 331  
(non-household setting)

### 14. TRANSPORT INFORMATION

**DOT** Not regulated

**IMDG** Not regulated

**IATA** Not regulated

### 15. REGULATORY INFORMATION

#### U.S. Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### **CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	CAS-No	Hazardous Substances RQs	Extremely Hazardous Substances RQs	CERCLA/SARA 302 TPQ
Sodium hydroxide	1310-73-2	1000 lb	-	

#### **Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product contains the following substance(s) which are either listed as hazardous air pollutants (HAPS) or VOC's per the Clean Air Act:

Chemical Name	CAS-No	CAA (Clean Air Act) - 1990 Hazardous Air Pollutants
Phenoxyethanol	122-99-6	X

#### **Clean Water Act**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CAS-No	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium hydroxide	1310-73-2	1000 lb	-	-	X

#### **California Proposition 65**

This product is not subject to warning labeling under California Proposition 65.

**U.S. State Regulations (RTK)**

Chemical Name	CAS-No	New Jersey
Ethanol	64-17-5	X

Chemical Name	CAS-No	Massachusetts
Ethanol	64-17-5	X

Chemical Name	CAS-No	Pennsylvania
Ethanol	64-17-5	X
Sodium hydroxide	1310-73-2	X
Phenoxyethanol	122-99-6	X

**International Inventories****United States**

All intentionally-added components of this product(s) are listed on the US TSCA Inventory.

**Canada**

This product is in compliance with CEPA for import by P&G.

**Legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**CEPA** - Canadian Environmental Protection Act

**16. OTHER INFORMATION**

**Issuing Date:** 14-Apr-2015

**Revision Date:** 14-Apr-2015

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of SDS



**90500486**

**HI-TECH**

**Lemon Fresh Low  
Sudsing Laundry  
Detergent  
(CAFÉ use only)**

# MATERIAL SAFETY DATA SHEET

## Section 1. Chemical Product and Company Information

Product #: LP 4101  
 Product Name: Deluxe Lemon Laundry Detergent Powder  
 Product Use: Powdered Detergent  
 Distributor Name: Midlab, Inc.  
 Distributor Address: 140 Private Brand Way  
 Athens, TN 37303  
 Emergency Phone #: 1-800-535-5053  
 Date Prepared/Updated: 8-8-11  
 Hazardous Material Information System (HMIS)  
 Health: 1  
 Fire Hazard: 0  
 Reactivity: 0  
 Precautionary Label Statements: Caution

## Section 2. Composition and Information on Ingredients

Ingredients	CAS#	%	Exposure Limits
Sodium Carbonate	497-19-8	30-40	Not Listed
Sodium Chloride	7647-14-5	30-40	Not Listed
Sodium Metasilicate	6834-92-0	20-30	Not Listed
Nonylphenoxypolyethoxethanol	68412-54-4	<10	Not Listed
Sodium Dodecylbenzenesulfonate	25155-30-0	<5	25 ppm

## Section 3. Hazards Identification

Route of Entry: Eyes  
 Potential Acute Health Effects: None known

## Section 4. First Aid Measures

Eye Contact: Flush immediately with water for 15 minutes being careful to flush behind the eyelids. Seek medical attention if irritation persists or develops.  
 Inhalation: No harmful effects expected.  
 Skin Contact: No harmful effects expected. Prolonged or repeated contact may dry skin and cause irritation.  
 Ingestion: Immediately drink plenty of water. If discomfort persists, get medical attention.

## Section 5. Fire Fighting Measures

Flashpoint: None (not flammable)  
 Fire Fighting Media and Instructions: Extinguish with water spray or carbon dioxide; dry chemical powder or appropriate foam. Normal fire fighting procedure may be used.  
 Unusual Fire and Explosion Hazards: None known

## Section 6. Accidental Release Measures

Personal Precautions: Put on appropriate personal protective equipment (see section 8).  
 Environmental Precautions: In the event of major spillage: Use appropriate containment to avoid environmental contamination. Collect spilled material. Place in suitable clean, dry containers for disposal by approved methods. Use a water rinse for final clean up.

## Section 7. Handling and Storage

Handling: Avoid contact with eyes. Use appropriate hygiene methods when handling product. For industrial use only.  
 Storage: Store in a cool well ventilated area. Protect from freezing. Keep out of reach of children.

## Section 8. Exposure Controls & Personal Protection

Engineering Controls: None usually needed. General room ventilation is adequate.  
 Personal Protection:  
 Eyes: No special requirements under normal use conditions.  
 Hands: No special requirements under normal use conditions.  
 Respiratory: No special requirements under normal use conditions.  
 Additional Measures: No special requirements under normal use conditions.  
 Listed Carcinogen: No ingredients listed by NTP, IARC or OSHA Subpart Z.  
 Medical Condition Aggravated: Persons with pre-existing skin disorders may be susceptible to irritating effects.

## Section 9. Physical and Chemical Properties

Fragrance: Lemon  
 Physical State: Powder  
 Color: Yellow  
 1% pH: 11.5-12.0  
 Specific Gravity: 1.13  
 Boiling/Condensation Point: Not Determined  
 Melting/Freezing Point: Not Determined  
 Solubility in Water: Moderate at 25°C

## Section 10. Stability and Reactivity

Stability and Reactivity: Stable  
 Conditions of Instability: None Known  
 Incompatibility with Various Substances: None Known  
 Decomposition Products: When exposed to fire: Produces normal products of combustion. Will not occur.  
 Hazardous Polymerization: Will not occur.

## Section 11. Toxicological Information

Effects of Chronic Exposure: None Known

## Section 12. Ecological Information

Section 12. Ecological Information: None Known  
 Section 13. Disposal Considerations: Dispose of all wastes according to all federal, state and local legislation.

## Section 14. Transport Information

DOT Classification: NOI Non-Hazardous

## Section 15. Regulatory Information

Reporting in this section is based on ingredients disclosed in Section 2

U.S. Regulation: Not Regulated.

Federal: Not Regulated.

State: Not Regulated.

Registered Product Information: Not EPA Registered.

SARA Section 312: Immediate (Acute) Health

## SARA Section 313: Toxic Release Inventory Reporting

The reportable quantity for Sodium Dodecylbenzenesulfonate is 5000 lbs. per CERCLA.

## Section 16. Other Information:

TSCA STATUS: All ingredients of this product are listed on the TSCA inventory.

Other Special Considerations: None reported.

Manufacturer: Midlab, Inc.

Address: 140 Private Brand Way

Athens, TN 37303

Notice to Reader: This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied as to the accuracy of the information contained herein. Actual conditions of use and handling are beyond seller's control. User is responsible to evaluate all available information when using product for any particular use and must comply with all federal, state, Provincial and Local Laws and Regulations.

Product #4101

4101



90900630

**Paint Thinner**

## STARTEX CHEMICAL INC -- PAINT THINNER -- 8010-00F031384

## ===== Product Identification =====

Product ID:PAINT THINNER

MSDS Date:05/01/1992

FSC:8010

NIIN:00F031384

MSDS Number: BSNGS

=== Responsible Party ===

Company Name:STARTEX CHEMICAL INC

Box:687

City:CONROE

State:TX

ZIP:77305

Country:US

Info Phone Num:409-539-6244

Emergency Phone Num:800-392-7020 EXT 687

CAGE:OYFV5

=== Contractor Identification ===

Company Name:STARTEX CHEMICAL INC

Address:5 HACKBERRY LANE

Box:3087

City:CONROE

State:TX

ZIP:77305

Country:US

Phone:800-424-9300(CHEMTREC)/936-539-6244

CAGE:OYFV5

## ===== Composition/Information on Ingredients =====

Ingred Name:STODDARD SOLVENT (PETROLEUM DISTILLATE), MINERAL SPIRITS

CAS:8052-41-3

RTECS #:WJ8925000

Fraction by Wt: 100%

Other REC Limits:525 MG/CUM

OSHA PEL:500 PPM

ACGIH TLV:100 PPM

## ===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYES: SEVERE IRRITATION. SKIN:

DERMATITIS, MODERATE IRRITATION, DEFATTING. INHALATION: RESPIRATORY  
IRRITATION, ASPHYXIATION. INGESTION: GASTROINTESTINAL IRRITATION,  
ASPIRATION HAZARD.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:EYES: REDNESS, TEARING, BLURRED VISION.

INHALATION: DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE,  
POSSIBLE UNCONSCIOUSNESS. INGESTION: NAUSEA, VOMITING, DIARRHEA.  
ASPIRATION: CHEMICAL PNEUMONITIS (W HIGH CAH BE FATAL).

## ===== First Aid Measures =====

First Aid:EYES: FLUSH W/PLENTY OF WATER. SKIN: THOROUGHLY WASH EXPOSED  
AREA W/SOAP & WATER. REMOVE CONTAMINATED CLOTHING. INGESTION: DON'T  
INDUCE VOMITING. KEEP WARM/QUIET. INHALATION: REMOVE TO FRESH AIR.  
ADMINISTER OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED. KEEP



QUIET/WARM. OBTAIN MEDICAL ATTENTION IN ALL CASES.

===== Fire Fighting Measures =====

Flash Point:100F

Lower Limits:1%

Extinguishing Media:REGULAR FOAM, CO2, DRY CHEMICAL

Fire Fighting Procedures:WEAR SELF CONTAINED BREATHING APPARATUS W/FULL  
FACE PIECE OPERATED IN PRESSURE DEMAND OR OTHER POSITIVE PRESSURE  
MODE

Unusual Fire/Explosion Hazard:NEVER USE WELDING OR CUTTING TORCH ON OR  
NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT CAN IGNITE EXPLOSIVELY

===== Accidental Release Measures =====

Spill Release Procedures:ABSORB LIQUID ON PAPER, VERMICULITE, FLOOR  
ABSORBENT, OR OTHER ABSORBENT MATERIAL & TRANSFER TO HOOD. REMOVE  
IGNITION SOURCES. DIKE AREA TO PREVENT SPREADING, PUMP LIQUID TO  
SALVAGE TANK. PREVENT RUN- OFF TO BODIES OF WATER.

===== Handling and Storage =====

Handling and Storage Precautions:EMPTY CONTAINERS RETAIN RESIDUES ALL  
HAZARD PRECAUTIONS GIVEN IN THE DATA SHEET MUST BE OBSERVED.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:NIOSH/MSHA JOINTLY APPROVED AIR SUPPLIED  
RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL  
WHEN TLV IS EXCEEDED.

Ventilation:GENERAL OR LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV

Protective Gloves:RESITANT, NITRILE

Eye Protection:CHEMICAL SPLASH GOGGLES

Other Protective Equipment:IMPERVIOUS CLOTHING & BOOTS

Work Hygienic Practices:REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE  
REUSE.

Supplemental Safety and Health

===== Physical/Chemical Properties =====

Boiling Pt:B.P. Text:300F

Vapor Pres:2

Vapor Density:4.9

Spec Gravity:0.78

Evaporation Rate & Reference:(ETHER = 1): 70

Percent Volatiles by Volume:100

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Hazardous Decomposition Products:CO, CO2, HYDROCARBONS

===== Disposal Considerations =====

Waste Disposal Methods:ALL TO EVAPORATE IN HOOD. DISPOSE OF REMAINING  
MATERIAL IN ACCORDANCE W/FEDERAL, STATE & LOCAL REGULATIONS.  
DESTROY BY LIQUID INCINERATION.

Disclaimer (provided with this information by the compiling agencies):  
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**90900620**

**Lacquer  
Paint Thinner**

COMPANY IDENTITY: CSD/STARTEX  
PRODUCT IDENTITY: LACQUER THINNER 101  
NEW MSDS DATE: 08/14/2007

DATE: 08/14/07  
PAGE 1 OF 7

#### MATERIAL SAFETY DATA SHEET

This Material Safety Data Sheet conforms to the requirements of ANSI Z400.1, using the International Chemical Safety Cards of the Global Harmonizing System.

THIS MSDS COMPLIES WITH 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD)

IMPORTANT: Read this MSDS before handling & disposing of this product.

Pass this information on to employees, customers, & users of this product.

#### SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

PRODUCT IDENTITY: LACQUER THINNER 101  
COMPANY IDENTITY: CSD/STARTEX  
COMPANY ADDRESS: P O BOX 3087  
COMPANY CITY: CONROE, TX 77305  
COMPANY PHONE: 1-936-228-0865  
CHEMTREC PHONE: 1-800-424-9300

#### SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

CONTAINS: 20-30% TOLUENE (108-88-3) [203-625-9],  
20-30% LIGHT ALIPHATIC SOLVENT NAPHTHA (\*64742-89-8),  
20-25% METHANOL (67-56-1) [200-659-6],  
15-25% ACETONE (67-64-1) [200-662-2],  
0- 5% 2-BUTOXYETHANOL (111-76-2) [203-905-0]

Number in parentheses is CAS #, number in brackets is European EC #.

#### SECTION 3. HAZARDS IDENTIFICATION

EXPOSURE PREVENTION: STRICT HYGIENE!

AVOID EXPOSURE OF (PREGNANT) WOMEN, ADOLESCENTS, CHILDREN!

#### RISK STATEMENTS:

R36/37/38 Irritating to eyes, respiratory system and skin.  
R39/23/24/25 Toxic: danger of very serious irreversible effects  
through inhalation, in contact with skin and if swallowed.  
R48/20 Harmful: danger of serious damage to health by prolonged exposure  
through inhalation.  
R20/65 Harmful by inhalation, may cause lung damage if swallowed.  
R12 Extremely Flammable.  
R18 In use, may form flammable/explosive vapor-air mixture.  
R22 Harmful if swallowed.  
R41 Risk of serious damage to eyes.  
R63 Possible risk of harm to the unborn child.  
R66 Repeated exposure may cause skin dryness or cracking.  
R67 Vapors may cause drowsiness and dizziness.

#### SAFETY STATEMENTS:

S24/25 Avoid contact with skin and eyes.  
S36/37 Wear suitable protective clothing and gloves.  
S2 Keep out of the reach of children.  
S7 Keep container tightly closed.  
S9 Keep container in a well-ventilated place.  
S16 Keep away from sources of ignition. No smoking.  
S23 Do not breathe gas, fumes, vapor, or spray.  
S29 Do not empty into drains.  
S33 Take precautionary measures against static discharges.  
S45 In case of accident, or if you feel unwell, seek medical advice  
immediately. (Show the label where possible).



COMPANY IDENTITY: CSD/STARTEX  
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#### SECTION 4. FIRST AID MEASURES

##### EYE CONTACT:

For eyes, flush with plenty of water for 15 minutes & get medical attention.

##### SKIN CONTACT:

In case of contact with skin immediately remove contaminated clothing.  
Wash thoroughly with soap & water. Wash contaminated clothing before reuse.

##### INHALATION:

After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, trained personnel should immediately begin artificial respiration. If the heart has stopped, trained personnel should immediately begin cardiopulmonary resuscitation (CPR).  
CALL A PHYSICIAN immediately!

##### SWALLOWING:

Induce vomiting. GET MEDICAL ATTENTION IMMEDIATELY.  
If no medical personnel are available & patient is conscious, ingestion of an alcoholic beverage may prevent blindness, death.  
Do NOT induce vomiting to an unconscious or convulsing person.

#### SECTION 5. FIRE FIGHTING MEASURES

##### FIRE & EXPLOSION PREVENTIVE MEASURES

NO open flames, NO sparks, & NO smoking. Above flash point, use a closed system, ventilation, explosion-proof electrical equipment, lighting.  
Do NOT use compressed air for filling, discharging, or handling.

##### EXTINGUISHING MEDIA

Use dry powder, AFFF, alcohol-resistant foam, water spray, water in large amounts, carbon dioxide.

##### SPECIAL FIRE FIGHTING PROCEDURES

Water spray may be ineffective on fire but can protect fire-fighters & cool closed containers. Use fog nozzles if water is used.  
Do not enter confined fire-space without full bunker gear.  
(Helmet with face shield, bunker coats, gloves & rubber boots).  
Use NIOSH approved positive-pressure self-contained breathing apparatus.

##### UNUSUAL EXPLOSION AND FIRE PROCEDURES

EXTREMELY FLAMMABLE!! VAPORS CAN CAUSE FLASH FIRE!! Keep container tightly closed.  
Isolate from oxidizers, heat, sparks, electric equipment & open flame.  
Closed containers may explode if exposed to extreme heat.  
Applying to hot surfaces requires special precautions.  
Empty container very hazardous! Continue all label precautions!

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

##### PERSONAL PROTECTIVE MEASURES:

EVACUATE DANGER AREA! Consult an expert!  
Vapors may ignite explosively & spread long distances. Prevent vapor buildup.  
Keep unprotected personnel away. Ventilate spill area. Remove all ignition sources.  
Use complete chemical protective suit with self-contained breathing apparatus.

##### CONTAINMENT AND CLEAN-UP MEASURES:

Stop spill at source. Dike and contain. Collect leaking liquid in sealable containers.  
Absorb remaining liquid in sand or inert absorbent. Remove to safe place.  
Do NOT wash away into sewer. Do NOT let this chemical enter the environment.

COMPANY IDENTITY: CSD/STARTEX  
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## SECTION 7. HANDLING AND STORAGE

### HANDLING

Isolate from oxidizers, heat, sparks, electric equipment & open flame.  
Use only with adequate ventilation. Avoid breathing of vapor or spray mist.  
Do not get in eyes, on skin or clothing.  
Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier.  
Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse.  
Avoid free fall of liquid. Ground containers when transferring. Do not flame cut, saw, drill, braze, or weld. Empty container very hazardous! Continue all label precautions!

### STORAGE

Vapors may ignite explosively & spread long distances. Prevent vapor buildup.  
Put out pilot lights & turn off heaters, electric equipment & other ignition sources during use & until all vapors are gone.  
Keep in fireproof surroundings. Keep separated from strong oxidants, food & feedstuffs. Keep cool.  
Do not store above 49 C/120 F. Keep container tightly closed & upright when not in use to prevent leakage.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

### RESPIRATORY EXPOSURE CONTROLS

A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI Z86.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

### VENTILATION

LOCAL EXHAUST	: Necessary
MECHANICAL (GENERAL)	: Acceptable
SPECIAL	: None
OTHER	: None

Please refer to ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details.

### PERSONAL PROTECTIONS:

Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier.  
Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse.

### WORK & HYGIENIC PRACTICES:

Provide readily accessible eye wash stations & safety showers.  
Wash at end of each workshift & before eating, smoking or using the toilet.  
Promptly remove clothing that becomes contaminated. Destroy contaminated leather articles. Launder or discard contaminated clothing.

COMPANY IDENTITY: CSD/STARTEX  
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#### SECTION 9. PHYSICAL DATA

APPEARANCE :	Liquid, Water-White
ODOR :	Ketone
BOILING RANGE :	56 91 172 C / 133 196 342 F
AUTO IGNITION TEMPERATURE :	290 C / 555 F (Lowest Component)
LOWER FLAMMABLE LIMIT IN AIR (% by vol):	3.1
FLASH POINT (TEST METHOD):	-16 C / 2 F (TCC) (Lowest Component)
FLAMMABILITY CLASSIFICATION:	Class I B
GRAVITY @ 68/68 F / 20/20 C :	
API :	45.2
SPECIFIC GRAVITY (Water=1) :	0.801
POUNDS/GALLON :	6.670
VOC'S (>0.44 Lbs/Sq In) :	96.6 Vol. % / 773.7 g/L / 6.445 Lbs/Gal
TOTAL VOC'S (TVOC) :	100.0 Vol. % / 800.8 g/L / 6.670 Lbs/Gal
NONEXEMPT VOC'S (CVOC) :	78.0 Vol. % / 626.6 g/L / 5.219 Lbs/Gal
HAZARDOUS AIR POLLUTANTS (HAPS) :	51.9 Wt. % / 415.5 g/L / 3.461 Lbs/Gal
VAPOR PRESSURE (mm of Hg)@20 C	93.7
NONEXEMPT VOC PARTIAL PRESSURE (mm of Hg @ 20 C)	52.6
VAPOR DENSITY (air=1) :	2.0
WATER ABSORPTION :	Appreciable
REFRACTIVE INDEX :	1.400
MIXED ANILINE POINT (Acid Insol):	34 C / 94 F

#### SECTION 10. STABILITY & REACTIVITY

##### STABILITY

Stable under normal conditions.

##### CONDITIONS TO AVOID

Isolate from oxidizers, heat, sparks, electric equipment & open flame.

##### MATERIALS TO AVOID

Reacts violently with strong oxidants, causing fire & explosion hazard.  
Attacks many plastics, coatings.

##### HAZARDOUS DECOMPOSITION PRODUCTS

Carbon Monoxide, Carbon Dioxide from burning.

##### HAZARDOUS POLYMERIZATION

Will not occur.

#### SECTION 11. TOXICOLOGICAL INFORMATION

MATERIAL	CAS #	TWA (OSHA)	TLV (ACGIH)	HAP
Toluene	108-88-3	200 ppm	50 ppm A4	Yes
Light Aliphatic Solvent Naphtha	*64742-89-8	500 ppm	300 ppm	No
Methanol	67-56-1	200 ppm S	200 ppm S	Yes
Acetone	67-64-1	1000 ppm	500 ppm A4	No
2-Butoxyethanol	111-76-2	50 ppm S	20 ppm S	No

In addition to EPA Hazardous Air Pollutants showing 'Yes' under "HAP" above, using manufacturers' data, based on EPA Method 311, the following EPA Hazardous Air Pollutants may be present in trace amounts (less than 0.1%):  
Benzene, Mixed Xylenes, Ethylbenzene

COMPANY IDENTITY: CSD/STARTEX  
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#### SECTION 11. TOXICOLOGICAL INFORMATION (CONTINUED)

MATERIAL	CAS #	CEILING	STEL (OSHA/ACGIH)
Methanol	67-56-1	None Known	250 ppm
Acetone	67-64-1	None Known	750 ppm

#### ACUTE HAZARDS

##### EYE & SKIN CONTACT:

Primary irritation to skin, defatting, dermatitis.  
Absorption thru skin increases exposure.  
Primary irritation to eyes, redness, tearing, blurred vision.  
Liquid can cause eye irritation. Wash thoroughly after handling.

##### INHALATION:

Anesthetic. Irritates respiratory tract. Acute overexposure can cause serious nervous system depression. Vapor harmful. Breathing vapor can cause irritation.  
Acute overexposure can cause harm to kidneys, blood, nerves, liver, lungs.  
Repeated exposure over TLV can cause blindness.  
Use of alcoholic beverages enhances the harmful effect.

##### SWALLOWING:

Can be fatal or cause blindness if swallowed. Cannot be made non-poisonous.  
POISON ! Can cause irreversible nervous system damage & death.  
Harmful or fatal if swallowed.  
Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea.  
The symptoms of chemical pneumonitis may not show up for a few days.

#### SUBCHRONIC HAZARDS/CONDITIONS AGGRAVATED

##### CONDITIONS AGGRAVATED

Chronic overexposure can cause harm to kidneys, blood, nerves, liver, lungs.  
Persons with severe skin, liver or kidney problems should avoid use.

#### CHRONIC HAZARDS

##### CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS:

Pregnant women should avoid use. May cause birth defects.  
Liver tumors have been reported in laboratory mice.  
Leukemia been reported in humans from Benzene.  
This product contains less than 106 ppm of Benzene.  
Not considered hazardous in such low concentrations.  
Absorption thru skin may be harmful. Studies with laboratory animals indicate this product can cause damage to fetus.  
Depending on degree of exposure, periodic medical examination is indicated.



COMPANY IDENTITY: CSD/STARTEX  
PRODUCT IDENTITY: LACQUER THINNER 101  
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## SECTION 12. ECOLOGICAL INFORMATION

### MAMMALIAN INFORMATION:

MATERIAL	CAS #	LOWEST KNOWN LETHAL DOSE DATA
		LOWEST KNOWN LD50 (ORAL)
Ethylene Glycol Butyl Ether	111-76-2	320.0 mg/kg (Rabbits)
		LOWEST KNOWN LC50 (VAPORS)
Ethylene Glycol Butyl Ether	111-76-2	700 ppm (Mice)
		LOWEST KNOWN LD50 (SKIN)
Ethylene Glycol Butyl Ether	111-76-2	440.0 mg/kg (Rabbits)

### AQUATIC ANIMAL INFORMATION:

The most sensitive known aquatic group to any component of this product is:  
Tidewater Silversides 250 ppm or mg/L (24 hour exposure).  
Keep out of sewers and natural water supplies.  
The substance is toxic to aquatic organisms.

### MOBILITY

This material is a mobile liquid.

### DEGRADABILITY

This product is partially biodegradable.

### ACCUMULATION

This product does not accumulate or biomagnify in the environment.

## SECTION 13. DISPOSAL CONSIDERATIONS

Processing, use or contamination may change the waste management options.  
Recycle / dispose of observing national, regional, state, provincial and local  
health, safety & pollution laws. If in doubt, contact appropriate agencies.

## SECTION 14. TRANSPORT INFORMATION

IF CONTAINER HAS > PRODUCT RQ (SEE SECTION 15) PUT "RQ," BEFORE SHIPPING NAME.  
DOT SHIPPING NAME: Paint Related Material, 3, UN1263, PG-II  
DRUM LABEL: (FLAMMABLE LIQUID)  
IATA / ICAO: Flammable Liquids, Toxic, n.o.s.  
(Toluene, Methanol), 3, (6.1), UN1992, PG-II  
IMO / IMDG: Flammable Liquids, Toxic, n.o.s.  
(Toluene, Methanol), 3, (6.1), UN1992, PG-II  
EMERGENCY RESPONSE GUIDEBOOK NUMBER: 131

## SECTION 15. REGULATORY INFORMATION

### EPA REGULATION:

SARA SECTION 311/312 HAZARDS: Acute Health, Chronic Health, Fire

All components of this product are on the TSCA list.

SARA Title III Section 313 Supplier Notification

This product contains the indicated <\*> toxic chemicals subject to the  
reporting requirements of Section 313 of the Emergency Planning & Community  
Right-To-Know Act of 1986 & of 40 CFR 372. This information must be  
included in all MSDSs that are copied and distributed for this material.

COMPANY IDENTITY: CSD/STARTEX  
PRODUCT IDENTITY: LACQUER THINNER 101  
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#### SECTION 15. REGULATORY INFORMATION (CONTINUED)

SARA TITLE III INGREDIENTS	CAS#	WT. % (REG. SECTION)	RQ (LBS)
*Toluene	108-88-3	27 (311,312,313,RCRA)	1000
*Methanol	67-56-1	24 (311,312,313,RCRA)	5000
Acetone	67-64-1	21 (311,312)	5000
*2-Butoxyethanol	111-76-2	< 4 (313)	None

- > 3681 LB / 1673 KG OF THIS PRODUCT IN 1 CONTAINER EXCEEDS THE "RQ" OF TOLUENE.  
Any release equal to or exceeding the RQ must be reported to the National Response Center (800-424-8802) and appropriate state and local regulatory agencies as described in 40 CFR 302.6 and 40 CFR 355.40 respectively.  
Failure to report may result in substantial civil and criminal penalties.  
State & local regulations may be more restrictive than federal regulations.

#### STATE REGULATIONS:

CALIFORNIA PROPOSITION 65: This product contains the following chemical known to the State of California to cause reproductive toxicity: Toluene.

#### INTERNATIONAL REGULATIONS

The components of this product are listed on the chemical inventories of the following countries:  
Australia, Canada, Europe (EINECS), Japan, Korea, United Kingdom.

#### SECTION 16. OTHER INFORMATION

#### HAZARD RATINGS:

HEALTH (NFPA): 1, HEALTH (HMIS): 3, FLAMMABILITY: 3, REACTIVITY: 0  
This information is intended solely for the use of individuals trained in the NFPA & HMIS hazard rating systems.

#### EMPLOYEE TRAINING

See Section 3 for Risk & Safety Statements. Employees should be made aware of all hazards of this material (as stated in this MSDS) before handling it.

#### NOTICE

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications.  
All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency.  
Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein.

This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.  
Unless updated, this Material Safety Data Sheet is valid until 08/14/2010.

COMPANY IDENTITY: CSD/STARTEX  
PRODUCT IDENTITY: MLT LACQUER THINNER  
NEW MSDS DATE: 03/16/2004  
CDSMSDS\MLT LACQUER THINNER 031704

DATE: 03/16/04  
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#### MATERIAL SAFETY DATA SHEET

This Material Safety Data Sheet conforms to the requirements of ANSI Z400.1.  
THIS MSDS COMPLIES WITH 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD)  
IMPORTANT: Read this MSDS before handling & disposing of this product.  
Pass this information on to employees, customers, & users of this product.

#### SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

PRODUCT IDENTITY: MLT LACQUER THINNER  
COMPANY IDENTITY: CSD/STARTEX  
COMPANY ADDRESS: P O BOX 3087  
COMPANY CITY: CONROE, TX 77305  
COMPANY PHONE: 1-936-228-0865  
CHEMTREC PHONE: 1-800-424-9300

#### SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

CONTAINS: 45-55% TOLUENE (108-88-3) [203-625-9],  
15-25% ACETONE (67-64-1) [200-662-2],  
10-20% LIGHT ALIPHATIC SOLVENT NAPHTHA (\*64742-89-8),  
0- 5% ISOPROPANOL (67-63-0) [200-661-7],  
0- 4% METHANOL (67-56-1) [200-659-6],  
0- 5% 2-BUTOXYETHANOL (111-76-2) [203-905-0],  
0- 1% METHYL ISOBUTYL KETONE (108-10-1) [203-550-1]  
Number in parentheses is CAS #, number in brackets is European EC #.

#### SECTION 3. HAZARDS IDENTIFICATION

##### RISK STATEMENTS:

R12 Extremely Flammable.  
R18 In use, may form flammable/explosive vapor-air mixture.  
R41 Risk of serious damage to eyes.  
R65 Harmful: may cause lung damage if swallowed.  
R36/37/38 Irritating to eyes, respiratory system and skin.  
R39/25 Toxic: danger of very serious irreversible effects if swallowed.  
R20/65 Harmful by inhalation, may cause lung damage if swallowed.

##### SAFETY STATEMENTS:

S7 Keep container tightly closed.  
S9 Keep container in a well-ventilated place.  
S16 Keep away from sources of ignition. No smoking.  
S29 Do not empty into drains.  
S45 In case of accident, or if you feel unwell, seek medical advice immediately. (Show the label where possible).  
S24/25 Avoid contact with skin and eyes.

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#### SECTION 4. FIRST AID MEASURES

##### EYE CONTACT:

For eyes, flush with plenty of water for 15 minutes & get medical attention.

##### SKIN CONTACT:

In case of contact with skin immediately remove contaminated clothing.  
Wash thoroughly with soap & water. Wash contaminated clothing before reuse.

##### INHALATION:

After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped give artificial respiration. CALL A PHYSICIAN immediately!

##### SWALLOWING:

If swallowed, get immediate medical advice. Inducing vomiting may cause aspiration into the lungs.

#### SECTION 5. FIRE FIGHTING MEASURES

##### EXTINGUISHING MEDIA

NFPA Class B extinguishers (Carbon Dioxide or foam) for Class I B liquid fires.

##### SPECIAL FIRE FIGHTING PROCEDURES

Water spray may be ineffective on fire but can protect fire-fighters & cool closed containers. Use fog nozzles if water is used.  
Do not enter confined fire-space without full bunker gear.  
(Helmet with face shield, bunker coats, gloves & rubber boots).  
Use NIOSH approved positive-pressure self-contained breathing apparatus.

##### UNUSUAL EXPLOSION AND FIRE PROCEDURES

**EXTREMELY FLAMMABLE!! VAPORS CAN CAUSE FLASH FIRE**

Keep container tightly closed.  
Isolate from oxidizers, heat, sparks, electric equipment & open flame.  
Closed containers may explode if exposed to extreme heat.  
Applying to hot surfaces requires special precautions.  
Empty container very hazardous! Continue all label precautions!

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

##### CONTAINMENT TECHNIQUES

Stop spill at source. Dike area & contain.

##### CLEAN-UP PROCEDURES:

Clean up remainder with absorbent materials. Mop up & dispose of. Persons without proper protection should be kept from area until cleaned up.

##### OTHER PRECAUTIONS

Vapors may ignite explosively & spread long distances. Prevent vapor buildup.  
Put out pilot lights & turn off heaters, electric equipment & other ignition sources during use & until all vapors are gone.



COMPANY IDENTITY: CSD/STARTEX  
PRODUCT IDENTITY: MLT LACQUER THINNER  
NEW MSDS DATE: 03/16/2004

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## SECTION 7. HANDLING AND STORAGE

### HANDLING

Isolate from oxidizers, heat, sparks, electric equipment & open flame.  
Use only with adequate ventilation. Avoid breathing of vapor or spray mist.  
Do not get in eyes, on skin or clothing.  
Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier.  
Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse.  
Avoid free fall of liquid. Ground containers when transferring. Do not flame cut, saw, drill, braze, or weld. Empty container very hazardous! Continue all label precautions!

### STORAGE

Vapors may ignite explosively & spread long distances. Prevent vapor buildup.  
Put out pilot lights & turn off heaters, electric equipment & other ignition sources during use & until all vapors are gone.  
Do not store above 49 C/120 F. Store large amounts in structures made for OSHA Class I B liquids. Keep container tightly closed & upright when not in use to prevent leakage.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

### RESPIRATORY EXPOSURE CONTROLS

A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI Z86.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

### VENTILATION

LOCAL EXHAUST	: Necessary
MECHANICAL (GENERAL)	: Acceptable
SPECIAL	: None
OTHER	: None

### PERSONAL PROTECTIONS:

Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier.  
Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse.

### WORK & HYGIENIC PRACTICES:

Provide readily accessible eye wash stations & safety showers.  
Wash at end of each workshift & before eating, smoking or using the toilet.  
Promptly remove clothing that becomes contaminated. Destroy contaminated leather articles. Launder or discard contaminated clothing.

COMPANY IDENTITY: CSD/STARTEX  
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#### SECTION 9. PHYSICAL DATA

APPEARANCE : Liquid, Water-White  
ODOR : Ketone  
BOILING RANGE : 56 100 172 C / 133 212 342 F  
AUTO IGNITION TEMPERATURE : 290 C / 555 F (Lowest Component)  
LOWER FLAMMABLE LIMIT IN AIR (% by vol): 1.8  
FLASH POINT (TEST METHOD): -16 C / 2 F (TCC) (Lowest Component)  
FLAMMABILITY CLASSIFICATION: Class I B  
GRAVITY @ 60 F :  
API : 40.0  
SPECIFIC GRAVITY (Water=1) : .825  
POUNDS/GALLON : 6.872  
VOC'S (>0.44 Lbs/Sq In) : 97.9 Vol. % / 807.9 g/L / 6.729 Lbs/Gal  
TOTAL VOC'S (TVOC) : 100.0 Vol. % / 825.0 g/L / 6.872 Lbs/Gal  
NONEXEMPT VOC'S (CVOC) : 77.0 Vol. % / 642.8 g/L / 5.354 Lbs/Gal  
HAZARDOUS AIR POLLUTANTS (HAPS) : 59.8 Wt. % / 493.6 g/L / 4.111 Lbs/Gal  
VAPOR PRESSURE (mm of Hg)@20 C 77.6  
NONEXEMPT VOC PARTIAL PRESSURE (mm of Hg @ 20 C) 22.7  
VAPOR DENSITY (air=1) : 2.7  
WATER ABSORPTION : Appreciable

#### SECTION 10. STABILITY & REACTIVITY

##### STABILITY

Stable under normal conditions.

##### CONDITIONS TO AVOID

Isolate from oxidizers, heat, sparks, electric equipment & open flame.

##### MATERIALS TO AVOID

Isolate from strong oxidizers such as permanganates, chromates & peroxides.

##### HAZARDOUS DECOMPOSITION PRODUCTS

Carbon Monoxide, Carbon Dioxide from burning.

##### HAZARDOUS POLYMERIZATION

Will not occur.

#### SECTION 11. TOXICOLOGICAL INFORMATION

MATERIAL	CAS #	TWA (OSHA)	TLV (ACGIH)	HAP
Toluene	108-88-3	200 ppm	50 ppm A4	Yes
Acetone	67-64-1	1000 ppm	500 ppm A4	No
Light Aliphatic Solvent Naphtha	*64742-89-8	500 ppm	300 ppm	No
Isopropanol	67-63-0	400 ppm	200 ppm A4	No
Methanol	67-56-1	200 ppm S	200 ppm S	Yes
2-Butoxyethanol	111-76-2	50 ppm S	20 ppm S	Yes
Methyl Isobutyl Ketone	108-10-1	100 ppm	50 ppm	Yes

In addition to EPA Hazardous Air Pollutants showing 'Yes' under "HAP" above, using manufacturers' data, based on EPA Method 311, the following EPA Hazardous Air Pollutants may be present in trace amounts (less than 0.1%): Benzene, Mixed Xylenes, Ethylbenzene

COMPANY IDENTITY: CSD/STARTEX  
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#### SECTION 11. TOXICOLOGICAL INFORMATION (CONTINUED)

MATERIAL	CAS #	CEILING	STEL (OSHA/ACGIH)
Acetone	67-64-1	None Known	750 ppm
Light Aliphatic Solvent Naphtha	*64742-89-8	None Known	5.3E3 ppm
Isopropanol	67-63-0	None Known	400 ppm
Methanol	67-56-1	None Known	250 ppm
Methyl Isobutyl Ketone	108-10-1	None Known	75 ppm

#### ACUTE HAZARDS

##### EYE & SKIN CONTACT:

Primary irritation to skin, defatting, dermatitis.  
Absorption thru skin increases exposure.  
Primary irritation to eyes, redness, tearing, blurred vision.  
Liquid can cause eye irritation. Wash thoroughly after handling.

##### INHALATION:

Anesthetic. Irritates respiratory tract. Acute overexposure can cause serious nervous system depression. Vapor harmful. Breathing vapor can cause irritation.  
Acute overexposure can cause damage to kidneys, blood, nerves, liver & lungs.

##### SWALLOWING:

Harmful or fatal if swallowed.  
Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea.

#### SUBCHRONIC HAZARDS/CONDITIONS AGGREGATED

##### CONDITIONS AGGREGATED

Persons with severe skin, liver or kidney problems should avoid use.

#### CHRONIC HAZARDS

##### CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS:

Liver tumors have been reported in laboratory mice.  
Leukemia been reported in humans from Benzene.  
This product contains less than 177 ppm of Benzene.  
Not considered hazardous in such low concentrations.  
Absorption thru skin may be harmful. Studies with laboratory animals indicate this product can cause damage to fetus.

COMPANY IDENTITY: CSD/STARTEX  
PRODUCT IDENTITY: MLT LACQUER THINNER  
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## SECTION 12. ECOLOGICAL INFORMATION

### MAMMALIAN INFORMATION:

MATERIAL	CAS #	LOWEST KNOWN LETHAL DOSE DATA
		LOWEST KNOWN LD50 (ORAL)
Ethylene Glycol Butyl Ether	111-76-2	320.0 mg/kg (Rabbits)
		LOWEST KNOWN LC50 (VAPORS)
Ethylene Glycol Butyl Ether	111-76-2	700 ppm (Mice)
		LOWEST KNOWN LD50 (SKIN)
Ethylene Glycol Butyl Ether	111-76-2	440.0 mg/kg (Rabbits)

### AQUATIC ANIMAL INFORMATION:

The most sensitive known aquatic group to any component of this product is:  
Tidewater Silversides 250 ppm or mg/L (24 hour exposure).  
Keep out of sewers and natural water supplies.

### MOBILITY

This material is a mobile liquid.

### DEGRADABILITY

This product is partially biodegradable.

### ACCUMULATION

This product does not accumulate or biomagnify in the environment.

## SECTION 13. DISPOSAL CONSIDERATIONS

Recycle / dispose of observing national, regional, state, provincial and local health, safety & pollution laws.  
If questions exist, contact the appropriate agencies.

## SECTION 14. TRANSPORT INFORMATION

IF CONTAINER HAS > PRODUCT RQ (SEE SECTION 15) PUT "RQ," BEFORE SHIPPING NAME.  
DOT SHIPPING NAME: Paint Related Material, 3, UN1263, PG-II  
DRUM LABEL: (FLAMMABLE LIQUID)  
IATA / ICAO: Paint Related Material, 3, UN1263, PG-II  
IMO / IMDG: Paint Related Material, 3, UN1263, PG-II  
EMERGENCY RESPONSE GUIDEBOOK NUMBER: 128

## SECTION 15. REGULATORY INFORMATION

### EPA REGULATION:

SARA SECTION 311/312 HAZARDS: Acute Health, Chronic Health, Fire

All components of this product are on the TSCA list.

SARA Title III Section 313 Supplier Notification

This product contains the indicated <\*> toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right-To-Know Act of 1986 & of 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material.



COMPANY IDENTITY: CSD/STARTEX  
PRODUCT IDENTITY: MLT LACQUER THINNER  
NEW MSDS DATE: 03/16/2004

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#### SECTION 15. REGULATORY INFORMATION (CONTINUED)

SARA TITLE III INGREDIENTS	CAS#	WT. % (REG. SECTION)	RQ (LBS)
*Toluene	108-88-3	53 (311,312,313,RCRA)	1000
Acetone	67-64-1	22 (311,312)	5000
Light Aliphatic Solvent Naphtha	*64742-89-8	16 (311,312)	None
Isopropanol	67-63-0	< 4 (311,312)	None
*Methanol	67-56-1	< 3 (311,312,313,RCRA)	5000
*2-Butoxyethanol	111-76-2	< 3 (313)	None
*Methyl Isobutyl Ketone	108-10-1	< 1 (311,312,313,RCRA)	5000

IF > 1859 LB / 845 KG OF THIS PRODUCT IS IN ONE CONTAINER THE "RQ" OF TOLUENE IS EXCEEDED.

Any release equal to or exceeding the RQ must be reported to the National Response Center (800-424-8802) and appropriate state and local regulatory agencies as described in 40 CFR 302.6 and 40 CFR 355.40 respectively. Failure to report may result in substantial civil and criminal penalties. State & local regulations may be more restrictive than federal regulations.

#### STATE REGULATIONS:

CALIFORNIA PROPOSITION 65: This product contains the following chemical known to the State of California to cause reproductive toxicity: Toluene

#### INTERNATIONAL REGULATIONS

The components of this product are listed on the chemical inventories of the following countries:  
Australia, Canada, Europe (EINECS), Japan, Korea, United Kingdom.

#### SECTION 16. OTHER INFORMATION

#### HAZARD RATINGS:

HEALTH (NFPA): 1, HEALTH (HMIS): 2, FLAMMABILITY: 3, REACTIVITY: 0  
This information is intended solely for the use of individuals trained in the NFPA & HMIS hazard rating systems.

#### EMPLOYEE TRAINING

Employees should be made aware of all hazards of this material (as stated in this MSDS) before handling it.

#### NOTICE

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications.

All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency.

Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein.

This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.

**90500484**

**AVANCE Pot & Pan  
Detergent  
(CAFÉ use only)**

# SAFETY DATA SHEET

State Industrial Products  
5915 Landerbrook Drive  
Mayfield Heights, OH 44124  
To Order Call: 1-866-747-2229



## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: AVANCE POT & PAN DETERGENT  
Product Description: A manual pot and pan detergent.  
EPA Registration Number: NA

24 Hour Emergency CHEMTREC Number: 800-424-9300  
MSDS Number: 119117  
EPA Establishment Number: NA

## 2. HAZARDS IDENTIFICATION

### \*\*\*EMERGENCY OVERVIEW\*\*\*

FIFRA Hazard Classification:

Not Applicable

Skin corrosion/irritation: Category 3  
Serious eye damage/eye irritation: Category 2B  
Acute toxicity, oral: Category 5

## WARNING

Hazard Statements:

H316 Causes mild skin irritation. H320 Causes eye irritation. H303 May be harmful if swallowed.

Precautionary Statements:

P264 Wash hands thoroughly after handling.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Ingredients</u>	<u>CAS Number</u>	<u>Weight</u>	<u>ACGIH</u>	<u>OSHA</u>
Sodium Lauryl Ether Sulfate	9004-82-4	<7.0%	NE	NE
Sodium Lauryl Sulfate	151-21-3	<5.0%	NE	NE
Lauryldimethylamine Oxide	1643-20-5	<5.0%	1 ppm	1 ppm
Water	7732-18-5	>72%	NE	NE

## 4. FIRST AID MEASURES

P337+P313 IF eye irritation persists: Get medical advice. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332+P313 IF SKIN irritation occurs: Get medical attention. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

## 5. FIRE FIGHTING MEASURES

Flashpoint(Method): >200°F [93°C]

Lower Explosive Limit(LEL): NA Upper Explosive Limit(UEL): NA Autoignition Temperature: NA

Flammable Properties: None Expected

Extinguishing Media: Carbon Dioxide, dry chemical, foam.

Fire Fighting Instructions: Wear self-contained breathing apparatus and full protective clothing. Contains oil, water is not effective in fire fighting. Water may be used to cool closed containers to prevent possible explosive when exposed to extreme heat.

## 6. ACCIDENTAL RELEASE MEASURES

Ventilate area. Halt spill at source, dike and contain spill. Flush with plenty of water to drain. Dispose of in accordance with Federal, State and Local Regulations regarding waste disposal.

## 7. HANDLING AND STORAGE

P405 Store locked up.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use general or local ventilation to keep exposure levels below exposure limits.

Personal Protective Equipment: Personal Protective Equipment: Respiratory: Use respirable fume respirator or air supplied respirator when soldering in confined space or where local exhaust or ventilation does not keep exposure

Respiratory: Normal room ventilation is adequate. Use a NIOSH/NIHSA approved respirator if exposure limits are exceeded.

Eye: Wear approved safety glasses or goggles with unperforated eyeshields where splashing may occur.

Skin: For repeated or prolonged contact, wear chemically impervious gloves such as Nitrile.

Other: An emergency eyewash station or source of clean potable water should be available in case of accidental eye contact.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Pink  
Physical State: Liquid.  
Solubility in Water: 100%  
Boiling Point: >212 °F[100°C)  
Freezing Point: NA  
Melting Point: NA

Odor: No Fragrance added  
pH: 10.00 +/- 0.5  
Diluted pH: NA  
Specific Gravity: 1.014 +/- 0.005  
VOC Content: NA

#### 10. STABILITY AND REACTIVITY

Stability: Stable  
Hazardous Polymerization: Will not occur.  
Conditions to Avoid: Do not mix with any other chemicals.  
Incompatibility: Avoid contact with Aluminum, Tin, Zinc.  
Hazardous Decomposition Products: Carbon Dioxide, Carbon Monoxide

#### 11. TOXICOLOGICAL INFORMATION

This product contains no ingredient at 0.1% or greater that is listed as a human carcinogen.

<u>Hazardous Ingredients</u>	<u>CAS Number</u>	<u>LD50</u>	<u>LC50</u>
Sodium Lauryl Ether Sulfate	9004-82-4	> 5.0 g/Kg (oral rat)	NE
Sodium Lauryl Sulfate	151-21-3	1288 mg/Kg (oral rat)	NE
Lauryldimethylamine Oxide	1643-20-5	>10g/kg (oral ral)	>5.3 mg/l/4 hr (rat)
Water	7732-18-5	NE	NE

#### 12. ECOLOGICAL INFORMATION

This product is toxic to fish.

#### 13. DISPOSAL CONSIDERATIONS

P501 Dispose of container in accordance with all Federal, State and Local Regulations regarding waste disposal.

#### 14. TRANSPORT INFORMATION

DOT Shipping Data: Not Regulated  
Canadian TDG: Not available for sale in Canada.  
For International Shipments by Air: NA  
For International Shipments by Vessel: NA

#### 15. REGULATORY INFORMATION

TSCA: All ingredients in this product are listed or exempt from listing on the TSCA Chemical Inventory.  
CEPA: All ingredients in this product are listed or exempt from listing on the Canadian DSL/NDL.  
Proposition 65: Raw materials used in this product have identified the opportunity for the presence of very low levels of the following California Proposition 65 chemicals known to the state of California to cause cancer, birth defects or other reproductive harm: Ethylene Oxide (75-21-8).  
SARA 313: This product contains no toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40CFR372).  
VOC: NA

HMIS RATING: HEALTH = 1 FLAMMABILITY = 0 REACTIVITY = 0 PPE = None required for normal use. Chemically impervious gloves are recommended for repeated or prolonged

WHMIS RATING: Not available for sale in Canada

#### 16. OTHER INFORMATION

NA = Not Available or Not Applicable  
NE = Not Established

Read and follow all label directions and precautions before using the product. This product is intended for industrial and institutional use only. NOT FOR HOUSEHOLD USE OR RESALE. KEEP OUT OF THE REACH OF CHILDREN. While we believe that the data contained herein is factual and the opinions expressed are those of qualified experts, the data are not to be taken as a warranty or representation for which the company assumes legal responsibility. They are offered solely for your consideration, investigation, and verification. Any use of these data and information must be determined by the user to be in accordance with applicable Federal, State, and Local Laws and regulations.

Prepared On: 08/11/2015

Replaces: 11/03/2013



# FICHE SIGNALÉTIQUE DE SÉCURITÉ

State Industrial Products  
5915 Landerbrook Drive  
Mayfield Heights, OH 44124  
To Order Call: 1-866-747-2229



## 1. IDENTIFICATION DU PRODUIT CHIMIQUE ET DE LA SOCIÉTÉ

Nom du produit : AVANCE POT & PAN DETERGENT  
Description du produit : Un pot manuelle et de détergent casserole.  
EPA Registration Number : NA

Numéro d'urgence CHEMTREC 24 h/24 : 800-424-9300  
Numéro de la fiche signalétique de produit : 119117  
EPA Establishment Number : NA

## 2. IDENTIFICATION DES DANGERS

\*\*\*VUE GÉNÉRALE D'URGENCE\*\*\*

## AVERTISSEMENT

Mention de danger:

H316 Provoque une légère irritation de la peau. H320 Provoque une irritation des yeux/Lésions oculaires/irritation des yeux graves. H303 Peut être nocif en cas d'ingestion.

Conseils de prudence:

P264 Se laver soigneusement la peau après manutention.

## 3. COMPOSITION/INFORMATION SUR LES INGRÉDIENTS

Ingrédients dangereux	Numéro CAS	Poids	ACGIH	OSHA
Sodium Lauryl Ether Sulfate	9004-82-4	<7.0%	NE	NE
Lauryl sulfate de sodium	151-21-3	<5.0%	NE	NE
lauryldiméthylamine oxyde	1643-20-5	<5.0%	1 ppm	1 ppm
Eau	7732-18-5	>72%	NE	NE

## 4. PREMIERS SOINS

P337+P313 Si l'irritation oculaire persiste: consulter un médecin. P305+P351+P338 EN CAS DE CONTACT AVEC LES YEUX: rincer avec précaution à l'eau pendant plusieurs minutes. Enlever les lentilles de contact si la victime en porte et si elles peuvent être facilement enlevées. Continuer à rincer. P332+P313 En cas d'irritation cutanée: consulter un médecin. P301+P330+P331 EN CAS D'INGESTION : Rincer la bouche. NE PAS faire vomir.

## 5. EN CAS D'INCENDIE

Point d'éclair : >200°F [93°C]

Limite d'explosivité inférieure (LIE) : NA Limite d'explosivité supérieure (LSE) : NA

Température d'auto-inflammation : NA

Propriétés d'inflammabilité : aucune présumée

Moyens d'extinction : Dioxyde de carbone, poudre chimique, mousse extinctrice.

Lutte contre l'incendie : Porter un appareil respiratoire autonome et une tenue protectrice intégrale. Contient de l'huile, l'eau n'est pas un moyen d'extinction efficace.

Utiliser de l'eau pour rafraîchir les récipients hermétiques exposés à une chaleur extrême pour écarter les risques d'explosion.

## 6. ÉMISSIONS ACCIDENTELLES

Ventiler la zone. Interrompre le déversement à la source, l'endiguer et le contenir. Évacuer à grande eau. Éliminer conformément aux réglementations fédérale, provinciale et locale en vigueur en matière d'élimination des déchets

## 7. MANIPULATION ET CONSERVATION

P405 Entreposer dans un endroit verrouillé.

## 8. EXPOSITION/PROTECTION INDIVIDUELLE

Moyens techniques : Assurer une ventilation forcée adéquate pour maintenir l'exposition en deçà de la valeur limite d'exposition.

Équipement de protection individuelle : Équipement de protection individuelle : Équipement de protection individuelle : respiratoire : Utiliser un appareil respiratoire pour vapeurs inhalables ou un appareil respiratoire à adduction d'air pour souder dans les espaces fermés ou dans les endroits où l'aspiration ou la ventilation locales ne suffisent pas à maintenir l'exposition en dessous de son seuil limite admissible.

Respiratoire : La ventilation normale est suffisante. Si les limites d'exposition sont dépassées, utiliser un appareil respiratoire agréé NIOSH/MSHA.

Oculaire : Porter des lunettes de protection homologuées munies d'écrans latéraux non perforés.

Cutanée : En cas de contact répété ou prolongé, porter des gants de protection chimique.

Autre : Un bassin oculaire d'urgence ou une source d'eau potable propre devrait être prêt à être utilisé en cas de contact oculaire accidentel.

## 9. PROPRIÉTÉS PHYSIQUES ET CHIMIQUES

Aspect : Rose  
État de la matière : Liquide  
Solubilité dans l'eau : 100%

Odeur : Pas de parfum ajouté  
Concentrer pH : 10.00 +/- 0.5  
Dilué pH : NA

**10. STABILITÉ ET RÉACTIVITÉ**

Stabilité : Stable

Polymérisation dangereuse : Ne se produira pas.

Conditions à éviter : Ne pas mélanger avec d'autres produits chimiques.

Incompatibilité : Éviter le contact avec l'aluminium, l'étain et le zinc.

Produits de décomposition dangereuse : Monoxyde de carbone, dioxyde de carbone.

**11. INFORMATIONS TOXICOLOGIQUES**

Ce produit ne contient aucun ingrédient déclaré cancérogène humain à des teneurs supérieures ou égales à 0,1 %.

<u>Ingrédients dangereux</u>	<u>Numéro CAS</u>	<u>LD50</u>	<u>LC50</u>
Sodium Lauryl Ether Sulfate	9004-82-4	> 5.0 g/Kg (oral rat)	NE
Lauryl sulfate de sodium	151-21-3	1288 mg/Kg (oral rat)	NE
lauryldiméthylamine oxyde	1643-20-5	>10g/kg (oral ral)	>5.3 mg/l/4 hr (rat)
Eau	7732-18-5	NE	NE

**12. INFORMATIONS ÉCOLOGIQUES**

Ce produit est toxique pour les poissons.

**13. DESTRUCTION**

P501 Éliminer le contenant conformément à tous les règlements fédéraux, d'État et locales en matière d'élimination des déchets.

**14. TRANSPORT**

INFORMATION DE TRANSPORT D.O.T. : non réglementé.

TMD AU CANADA : Non disponible pour la vente au Canada.

Pour les expéditions internationales par Air : NA

Pour les expéditions internationales par Vessel : NA

**15. INFORMATIONS RÉGLEMENTAIRES**

TSCA : Tous les ingrédients contenus dans ce produit figurent ou sont exempts de figurer sur l'inventaire du TSCA.

CEPA : Tous les ingrédients contenus dans ce produit figurent ou sont exempts de figurer sur la LIS et la LES (Canada).

Proposition 65 : Les matières premières utilisées dans ce produit ont identifié l'occasion pour la présence des niveaux très bas des suivants California Proposition 65 produits chimiques connus de l'état de Californie pour causer le cancer, des malformations congénitales ou d'autres anomalies de la reproduction: l'oxyde d'éthylène (75-21-8) .

SARA 313 : Ne produit ne contient aucune substance chimique toxique devant être déclarée aux termes de la section 313 de la loi Emergency Planning andCommunity Right-To-Know Act de 1986 (40 CFR 372.65C).

CLASSIFICATION HMIS : SANTÉ = 1 INFLAMMABILITÉ = 0 RÉACTIVITÉ = 0 EPS = None required for normal use. Chemically impervious gloves are recommended for repeated or prolonged

CLASSIFICATION SIMDUT : Non disponible pour la vente au Canada

**16. AUTRES INFORMATIONS**

néant = Non disponible ou sans objet

n.e. = Non établi

Lire et suivre toutes les instructions et les précautions d'emploi figurant sur l'étiquette avant d'utiliser le produit. Ces produits sont réservés uniquement à l'usage industriel et par les collectivités. CES PRODUITS NE SONT PAS DESTINÉS À L'USAGE DOMESTIQUE OU À LA REVENTE. GARDER HORS DE LA PORTÉE DES ENFANTS. Bien qu'à notre avis les informations énoncées ci-dessus soient réelles et que le jugement exprimé soit celui d'experts qualifiés, elles ne doivent pas être considérées comme une garantie ou une déclaration pour lesquelles la société assume une responsabilité légale. Ces informations sont données uniquement pour examen, investigation et vérification. L'utilisation des ces informations doit être déterminée par l'utilisateur conformément à la réglementation et à la loi fédérales, d'État et régionales applicables.

INFORMATIONS SUR LA SANTÉ ET LA SÉCURITÉ : (216) 861-7114

Date de Préparation: 08/11/2015 Remplace : 11/03/2013

# PLANILLA DE DATOS DE SEGURIDAD

State Industrial Products  
5915 Landerbrook Drive  
Mayfield Heights, OH 44124  
To Order Call: 1-866-747-2229



## 1. PRODUCTO QUÍMICO Y DATOS DE LA COMPAÑÍA

Nombre del producto: AVANCE POT & PAN DETERGENT  
Descripción del producto: Una olla manual y detergente sartén.  
EPA Registration Number: NA

Núm. CHEMTREC las 24 horas: 800-424-9300  
Número MSDS: 119117  
EPA Establishment Number: NA

## 2. ENUMERACIÓN DE PELIGROS

\*\*\*DESCRIPCIÓN GENERAL DE LAS SITUACIONES DE EMERGENCIA\*\*\*

## ADVERTENCIA

H316 Causa leve corrosión/irritación en la piel. H320 Causa irritación en los ojos/Serio daño en los ojos/irritación en los ojos. H303 Puede ser nocivo si se ingiere.

P264 Lavar la piel meticulosamente después de la manipulación.

## 3. COMPOSICIÓN/INFORMACIÓN SOBRE LOS COMPONENTES

Componentes peligrosos	Número CAS	Peso	ACGIH	OSHA
Sodium Lauryl Ether Sulfate	9004-82-4	<7.0%	NE	NE
Lauril Sulfato de Sodio	151-21-3	<5.0%	NE	NE
laurildimetilamina óxido	1643-20-5	<5.0%	1 ppm	1 ppm
Agua	7732-18-5	>72%	NE	NE

## 4. MEDIDAS DE PRIMEROS AUXILIOS

P337+P313 Si persiste la irritación ocular: Consultar a un médico. P305+P351+P338 EN CASO DE CONTACTO CON LOS OJOS: Aclarar cuidadosamente con agua durante varios minutos. Quitar las lentes de contacto, si lleva y resulta fácil. Seguir aclarando. P332+P313 En caso de irritación cutánea: Consultar a un médico. P301+P330+P331 EN CASO DE INGESTIÓN: Limpie la boca. NO provoque el vómito.

## 5. MEDIDAS PARA COMBATIR INCENDIOS

Pto. inflamabilidad: >200°F [93°C]

Límite explosivo inferior (LEL): NA Límite explosivo superior (UEL): NA Temperatura de autoignición: NA

Inflamabilidad: No se espera ninguna.

Medio extinguidor: Dióxido de carbono, productos químicos en polvo, espuma.

Instrucciones para combatir el fuego: Use un aparato autónomo para respirar e indumentaria de protección. Por contener aceite, el agua no resultará eficaz para combatir incendios. Puede usarse agua para enfriar los recipientes cerrados y evitar una posible explosión si éstos estuvieran expuestos a calor extremo.

## 6. MEDIDAS EN CASO DE DERRAME ACCIDENTAL

Ventile el área. Coloque una barrera física y contenga el derrame en el propio sitio de origen. Limpie el derrame con agua en abundancia y vierta todo por el drenaje. Obedezca todos los reglamentos federales, estatales y locales relativos a la disposición final de residuos.

## 7. MANIPULACIÓN Y ALMACENAMIENTO

P405 Almacenar bajo llave.

## 8. CONTROL DE EXPOSICIÓN/PROTECCIÓN PERSONAL

Controles de ingeniería: Proveer suficiente ventilación mecánica para mantener la exposición por debajo del límite de concentración máxima (Threshold Limit Value, TLV).

Equipo de protección personal: Equipo de protección personal: Equipo de protección personal: Respiratorio: Cuando suelde en recintos pequeños o cuando la ventilación local no mantenga la exposición por debajo del TLV, utilice una mascarilla que proteja contra las emanaciones o un respirador con suministro de oxígeno.

Respiratorio: Si el límite de exposición en el lugar de trabajo es excedido, se aconseja el uso de un respirador de aire ante la ausencia de control ambiental.

Ojos: Use gafas protectoras o gafas con protección lateral sin perforaciones aprobadas.

Piel: Si el contacto fuera prolongado o repetido, use guantes resistentes a productos químicos.

Otros: Una estación de lavavojos de emergencia o una fuente de agua potable limpia debe estar disponible en caso de contacto accidental con los ojos.

## 9. PROPIEDADES FÍSICAS Y QUÍMICAS

Aspecto: Rosa  
Estado de agregación: Líquido  
Solubilidad en agua: 100%  
Contenido de VOC: NA

Olor: Sin olor adicional  
Concentrarse pH: 10.00 +/- 0.5  
Diluido pH: NA  
Peso específico: 1.014 +/- 0.005  
Punto de congelación/fusión: NA / NA

## 10. ESTABILIDAD Y REACTIVIDAD

Estabilidad: Estable  
Polimerización peligrosa: No ocurrirá.  
Condiciones a evitar: No mezcle con otros productos químicos.  
Incompatibilidad: Evite el contacto con aluminio, estaño y zinc.  
Productos de descomposición peligrosos: Monóxido de carbono, Dióxido de carbono.

#### 11. INFORMACIÓN TOXICOLÓGICA

Este producto no contiene ningún componente en 0.1% o más del que se señale como un carcinógeno humano.

<u>Componentes peligrosos</u>	<u>Número CAS</u>	<u>LD50</u>	<u>LC50</u>
Sodium Lauryl Ether Sulfate	9004-82-4	> 5.0 g/Kg (oral rat)	NE
Lauril Sulfato de Sodio	151-21-3	1288 mg/Kg (oral rat)	NE
laurildimetilamina óxido	1643-20-5	>10g/kg (oral ral)	>5.3 mg/l/4 hr (rat)
Agua	7732-18-5	NE	NE

#### 12. INFORMACIÓN ECOLÓGICA

Este producto es tóxico para los peces.

#### 13. SUGERENCIAS PARA SU DISPOSICIÓN FINAL

P501 Elimine el recipiente en conformidad con todas las regulaciones federales, estatales y locales relacionadas con la eliminación de residuos.

#### 14. INFORMACIÓN SOBRE TRANSPORTE

DATOS DE EMBARQUE SEGÚN EL DOT (Ministerio de Transporte de los EE.UU.): No se ha regulado.

TDG CANADIENSE: Producto no regulado. No disponible para la venta en Canadá.

Para los envíos internacionales de Air: NA

Para los envíos internacionales de Vessel: NA

#### 15. INFORMACIÓN SOBRE REGLAMENTOS

TSCA: Todos los químicos de este producto están catalogados o están exentos de ser catalogados en el inventario químico de la Ley de Control de Sustancias Tóxicas (Toxic Substances Control Act, TSCA).

CEPA: Todos los químicos de este producto están catalogados o están exentos de ser catalogados en el DSL/NDSL canadiense.

Propuesta 65: Las materias primas usadas en este producto han identificado la oportunidad para la presencia de niveles muy bajos de los siguientes California Proposición 65 productos químicos que en el estado de California como causante de cáncer, defectos de nacimiento y otros daños reproductivos: Óxido de etileno (75-21-8).

SARA 313: Este producto no contiene sustancias tóxicas sujetas a los requisitos de información del Artículo 313 de la ley de 1986 (40 CFR 372.65) de Planeamiento anteemergencias y Derecho a Estar Informado de la Comunidad.

CLASIFICACIÓN HMIS: SALUD = 1 INFLAMABILIDAD = 0 REACTIVIDAD = 0 EQUIPO DE PROTECCIÓN PERSONAL= None required for normal use. Chemically impervious gloves are recommended for repeated or prolonged

CLASIFICACIÓN WHMIS: No disponible para la venta en Canadá

#### 16. OTRA INFORMACIÓN

NA = No disponible o No se aplica

NE = No se ha establecido

Antes de utilizar este producto, lea y obedezca todas las instrucciones y precauciones. Este producto fue formulado para utilizarse únicamente en el ámbito industrial e institucional. NO ES PARA REVENTA NI PARA USO EN EL ÁMBITO HOGAREÑO. MANTENGA FUERA DEL ALCANCE DE LOS NIÑOS. Si bien se considera que los datos contenidos en esta planilla son correctos y las opiniones expresadas son las de calificados expertos, los datos no deberán considerarse como garantía ni como declaración por las que la compañía asume responsabilidad legal alguna. Estos datos se brindan sólo para evaluación, investigación y verificación por parte del cliente. El usuario es quien deberá determinar si cualquier uso que se dé a estos datos e información está de acuerdo con las leyes y reglamentos federales, estatales y locales aplicables.

INFORMACIÓN DE SEGURIDAD Y SALUD: (216) 861-7114

Preparado Encendido: 08/11/2015

Reemplaza: 11/03/2013



**90500489**

**ECO CLEANER**

**DeGreaser**

**(CAFÉ use only)**

# SAFETY DATA SHEET

## State Industrial Products

5915 Landerbrook Drive  
Mayfield Heights, OH 44124  
To Order Call: 1-866-747-2229

6935 Davand Drive  
Mississauga, Ontario L5T 1L5  
To Order Call: 1-800-668-6513

Royal Industrial Park, Bldg "M"  
Local #5, Carr 869, km 1.5 Palmas  
Cataño, P.R. 00962  
To Order Call: 787-275-3185



## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: ECOLUTION PRO Cleaner Degreaser  
Product Description: A formulated general purpose cleaner.  
EPA Registration Number: NA

24 Hour Emergency CHEMTREC Number: 800-424-9300  
MSDS Number: 115881  
EPA Establishment Number: NA

## 2. HAZARDS IDENTIFICATION

### \*\*\*EMERGENCY OVERVIEW\*\*\*

FIFRA Hazard Classification:

Not Applicable

Skin corrosion/irritation: Category 3

Serious eye damage/eye irritation: Category 1

Acute toxicity, oral: Category 4



Exclamation  
Mark

Exclamation  
Mark

DANGER

Hazard Statements:

H316 Causes mild skin irritation. H318 Causes serious eye damage. H302 Harmful if swallowed.

Precautionary Statements:

P270 Do not eat, drink or smoke when using this product. P264 Wash hands thoroughly after handling. P280 Wear protective gloves, protective clothing, and eye protection.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Ingredients</u>	<u>CAS Number</u>	<u>Weight</u>	<u>ACGIH</u>	<u>OSHA</u>
Alcohol Ethoxylates	Alcohol Ethoxylates (Proprietary)	<15%	NE	NE
Alcohol Ethoxylates	Alcohol Ethoxylates (Proprietary)	<7.0%	NE	NE
Alkyl Polyglycoside	110615-47-9	<15%	NE	NE
Sodium Gluconate	527-07-1	<5.0%	NE	NE
Dye (FD&C)	Dye (FD&C)	<1%	NE	NE
Dye	Dye (Proprietary)	<1%	NE	NE
Water	7732-18-5	>52%	NE	NE

## 4. FIRST AID MEASURES

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332+P313 IF SKIN irritation occurs: Get medical attention. P301+P312 IF SWALLOWED: call a POISON CENTER or physician if you feel unwell. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P310 Immediately call a POISON CENTER or physician.

## 5. FIRE FIGHTING MEASURES

Flashpoint(Method): >200°F [93°C]

Lower Explosive Limit(LEL): NA Upper Explosive Limit(UEL): NA Autoignition Temperature: NA

Flammable Properties: None Expected

Extinguishing Media: Carbon Dioxide, dry chemical, foam.

Fire Fighting Instructions: Wear self-contained breathing apparatus and full protective clothing. Contains oil, water is not effective in fire fighting. Water may be used to cool closed containers to prevent possible explosive when exposed to extreme heat.

## 6. ACCIDENTAL RELEASE MEASURES

Ventilate area. Halt spill at source, dike and contain spill. Flush with plenty of water to drain. Dispose of in accordance with Federal, State and Local Regulations regarding waste disposal.

## 7. HANDLING AND STORAGE

P402 Store in dry place.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use general or local ventilation to keep exposure levels below exposure limits.

Personal Protective Equipment: Personal Protective Equipment: Respiratory: Use respirable fume respirator or air supplied respirator when soldering in confined space or where local exhaust or ventilation does not keep exposure

Respiratory: Normal room ventilation is adequate. Use a NIOSH/MHSA approved respirator if exposure limits are exceeded.

Eye: Wear approved safety glasses or goggles with unperforated eyeshields where splashing may occur.

Skin: For repeated or prolonged contact, wear chemically impervious gloves such as Nitrile.  
Other: An emergency eyewash station or source of clean potable water should be available in case of accidental eye contact.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Blue-green  
Physical State: Liquid.  
Solubility in Water: 100%  
Boiling Point: >212 °F[100°C)  
Freezing Point: NA  
Melting Point: NA

Odor: No Fragrance added  
pH: 7.5 +/-  
Diluted pH: 7.0 - 8.0  
Specific Gravity: 1.03  
VOC Content: <1%

## 10. STABILITY AND REACTIVITY

Stability: Stable  
Hazardous Polymerization: Will not occur.  
Conditions to Avoid: Do not mix with any other chemicals.  
Incompatibility: None expected  
Hazardous Decomposition Products: Carbon Dioxide, Carbon Monoxide

## 11. TOXICOLOGICAL INFORMATION

This product contains no ingredient at 0.1% or greater that is listed as a human carcinogen.

<u>Hazardous Ingredients</u>	<u>CAS Number</u>	<u>LD50</u>	<u>LC50</u>
Alcohol Ethoxylates	Alcohol Ethoxylates (Proprietary)	NE	NE
Alcohol Ethoxylates	Alcohol Ethoxylates (Proprietary)	NE	NE
Alkyl Polyglycoside	110615-47-9	> 5.0 g/kg (oral rat)	NE
Sodium Gluconate	527-07-1	NE	NE
Dye (FD&C)	Dye (FD&C)	NE	NE
Dye	Dye (Proprietary)	NE	NE
Water	7732-18-5	NE	NE

## 12. ECOLOGICAL INFORMATION

Aquatic Toxicity: Not toxic. LC50 < 100 mg/L. Biodegradability: > 60% within 28 days.

## 13. DISPOSAL CONSIDERATIONS

P501 Dispose of container in accordance with all Federal, State and Local Regulations regarding waste disposal.

## 14. TRANSPORT INFORMATION

DOT Shipping Data: Not Regulated  
Canadian TDG: Not Regulated  
For International Shipments by Air: NA  
For International Shipments by Vessel: NA

## 15. REGULATORY INFORMATION

TSCA: All ingredients in this product are listed or exempt from listing on the TSCA Chemical Inventory.  
CEPA: All ingredients in this product are listed or exempt from listing on the Canadian DSL/NDSL.  
Proposition 65: This product contains no listed substances known to the State of California to cause cancer, birth defects or reproductive harm, at reportable levels under the statute.  
SARA 313: This product contains no toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40CFR372).  
VOC: <1%

HMIS RATING: HEALTH = 1 FLAMMABILITY = 0 REACTIVITY = 0 PPE = B

WHMIS RATING: Not regulated by WHMIS

## 16. OTHER INFORMATION

NA = Not Available or Not Applicable  
NE = Not Established

Read and follow all label directions and precautions before using the product. This product is intended for industrial and institutional use only. NOT FOR HOUSEHOLD USE OR RESALE. KEEP OUT OF THE REACH OF CHILDREN. While we believe that the data contained herein is factual and the opinions expressed are those of qualified experts, the data are not to be taken as a warranty or representation for which the company assumes legal responsibility. They are offered solely for your consideration, investigation, and verification. Any use of these data and information must be determined by the user to be in accordance with applicable Federal, State, and Local Laws and regulations.

Prepared On: 08/11/2015

Replaces: 04/01/2012



# FICHE SIGNALÉTIQUE DE SÉCURITÉ

## State Industrial Products

5915 Landerbrook Drive  
Mayfield Heights, OH 44124  
To Order Call: 1-866-747-2229

6935 Davand Drive  
Mississauga, Ontario L5T 1L5  
To Order Call: 1-800-668-6513

Royal Industrial Park, Bldg "M"  
Local #5, Carr 869, km 1.5 Palmas  
Cataño, PR, 00962  
To Order Call: 787-275-3185



## 1. IDENTIFICATION DU PRODUIT CHIMIQUE ET DE LA SOCIÉTÉ

Nom du produit : ECOLUTION PRO Cleaner Degreaser  
Description du produit : Un décapant tout usage formulé.  
EPA Registration Number : NA

Numéro d'urgence CHEMTREC 24 h/24 : 800-424-9300  
Numéro de la fiche signalétique de produit : 115881  
EPA Establishment Number : NA

## 2. IDENTIFICATION DES DANGERS

\*\*\*VUE GÉNÉRALE D'URGENCE\*\*\*



Point  
d'exclamation      Point  
d'exclamation

DANGER

Mention de danger:

H316 Provoque une légère irritation de la peau. H318 Provoque des lésions oculaires graves. H302 Nocif en cas d'ingestion.

Conseils de prudence:

P270 Ne pas manger, boire ou fumer en manipulant ce produit. P264 Se laver soigneusement la peau après manutention. P280 Porter des gants de protection, des vêtements de protection, une protection oculaire.

## 3. COMPOSITION/INFORMATION SUR LES INGRÉDIENTS

<u>Ingrédients dangereux</u>	<u>Numéro CAS</u>	<u>Poids</u>	<u>ACGIH</u>	<u>OSHA</u>
L'Alcool Éthoxylate	Alcohol Ethoxylates (Proprietary)	<15%	NE	NE
L'Alcool Éthoxylate	Alcohol Ethoxylates (Proprietary)	<7.0%	NE	NE
Polyglycoside Alkylrique	110615-47-9	<15%	NE	NE
Gluconate de sodium	527-07-1	<5.0%	NE	NE
Dye (FD&C)	Dye (FD&C)	<1%	NE	NE
colorant	Dye (Proprietary)	<1%	NE	NE
Eau	7732-18-5	>52%	NE	NE

..

## 4. PREMIERS SOINS

P305+P351+P338 EN CAS DE CONTACT AVEC LES YEUX: rincer avec précaution à l'eau pendant plusieurs minutes. Enlever les lentilles de contact si la victime en porte et si elles peuvent être facilement enlevées. Continuer à rincer. P332+P313 En cas d'irritation cutanée: consulter un médecin. P301+P312 EN CAS D'INGESTION : Appeler un CENTRE ANTIPOISON ou un médecin en cas de malaise. P301+P330+P331 EN CAS D'INGESTION : Rincer la bouche. NE PAS faire vomir. P310 Appeler immédiatement un CENTRE ANTIPOISON ou un médecin.

## 5. EN CAS D'INCENDIE

Point d'éclair : >200°F [93°C]

Limite d'explosivité inférieure (LIE) : NA Limite d'explosivité supérieure (LSE) : NA

Température d'auto-inflammation : NA

Propriétés d'inflammabilité : aucune présumée

Moyens d'extinction : Dioxyde de carbone, poudre chimique, mousse extinctrice.

Lutte contre l'incendie : Porter un appareil respiratoire autonome et une tenue protectrice intégrale. Contient de l'huile, l'eau n'est pas un moyen d'extinction efficace.

Utiliser de l'eau pour rafraîchir les récipients hermétiques exposés à une chaleur extrême pour écarter les risques d'explosion.

## 6. ÉMISSIONS ACCIDENTELLES

Ventiler la zone. Interrompre le déversement à la source, l'endiguer et le contenir. Évacuer à grande eau. Éliminer conformément aux réglementations fédérale, provinciale et locale en vigueur en matière d'élimination des déchets

## 7. MANIPULATION ET CONSERVATION

P402 Stocker dans un endroit sec.

## 8. EXPOSITION/PROTECTION INDIVIDUELLE

Moyens techniques : Assurer une ventilation forcée adéquate pour maintenir l'exposition en deçà de la valeur limite d'exposition.

Équipement de protection individuelle : Équipement de protection individuelle : Équipement de protection individuelle : respiratoire : Utiliser un appareil respiratoire pour vapeurs inhalables ou un appareil respiratoire à adduction d'air pour souder dans les espaces fermés ou dans les endroits où l'aspiration ou la ventilation locales ne suffisent pas à maintenir l'exposition en dessous de son seuil limite admissible.

Respiratoire : La ventilation normale est suffisante. Si les limites d'exposition sont dépassées, utiliser un appareil respiratoire agréé NIOSH/MSHA.

Oculaire : Porter des lunettes de protection homologuées munies d'écrans latéraux non perforés.

Cutanée : En cas de contact répété ou prolongé, porter des gants de protection chimique.

Autre : Un bassin oculaire d'urgence ou une source d'eau potable propre devrait être prêt à être utilisé en cas de contact oculaire accidentel.

## 9. PROPRIÉTÉS PHYSIQUES ET CHIMIQUES



Aspect : Bleu-vert  
État de la matière : Liquide  
Solubilité dans l'eau : 100%  
Contenu de VOC : <1%

Odeur : Pas de parfum ajouté  
Concentrer pH : 7.5 +/-  
Dilué pH : 7.0 - 8.0  
Densité : 8.59 lbs/gal.  
Point de congélation/fusion : NA / NA

#### 10. STABILITÉ ET RÉACTIVITÉ

Stabilité : Stable

Polymérisation dangereuse : Ne se produira pas.

Conditions à éviter : Ne pas mélanger avec d'autres produits chimiques.

Incompatibilité : Aucune connue

Produits de décomposition dangereuse : Monoxyde de carbone, dioxyde de carbone.

#### 11. INFORMATIONS TOXICOLOGIQUES

Ce produit ne contient aucun ingrédient déclaré cancérigène humain à des teneurs supérieures ou égales à 0,1 %.

<u>Ingrédients dangereux</u>	<u>Numéro CAS</u>	<u>LD50</u>	<u>LC50</u>
L'Alcool Éthoxylate	Alcohol Ethoxylates (Proprietary)	NE	NE
L'Alcool Éthoxylate	Alcohol Ethoxylates (Proprietary)	NE	NE
Polyglycoside Alkylque	110615-47-9	> 5.0 g/kg (oral rat)	NE
Gluconate de sodium	527-07-1	NE	NE
Dye (FD&C)	Dye (FD&C)	NE	NE
colorant	Dye (Proprietary)	NE	NE
Eau	7732-18-5	NE	NE

#### 12. INFORMATIONS ÉCOLOGIQUES

Toxicité en milieu aquatique : Non toxique. LC50 < 100 mg/L. Biodégradabilité : > 60 % en moins de 28 jours.

#### 13. DESTRUCTION

P501 Éliminer le contenant conformément à tous les règlements fédéraux, d'État et locales en matière d'élimination des déchets.

#### 14. TRANSPORT

INFORMATION DE TRANSPORT D.O.T. : non réglementé.

TMD AU CANADA : non réglementé.

Pour les expéditions internationales par Air : NA

Pour les expéditions internationales par Vessel : NA

#### 15. INFORMATIONS RÉGLEMENTAIRES

TSCA : Tous les ingrédients contenus dans ce produit figurent ou sont exempts de figurer sur l'inventaire du TSCA.

CEPA : Tous les ingrédients contenus dans ce produit figurent ou sont exempts de figurer sur la LIS et la LES (Canada).

Proposition 65 : Ce produit ne contient aucune substance chimique reconnus dans l'État de Californie pour causer le cancer, des malformations congénitales ou d'autres problèmes de reproduction.

SARA 313 : Ne produit ne contient aucune substance chimique toxique devant être déclarée aux termes de la section 313 de la loi Emergency Planning and Community Right-To-Know Act de 1986 (40 CFR 372.65C).

CLASSIFICATION HMIS : SANTÉ = 1 INFLAMMABILITÉ = 0 RÉACTIVITÉ = 0 EPS = B

CLASSIFICATION SIMDUT : Non réglementé par le WHIMS

#### 16. AUTRES INFORMATIONS

néant = Non disponible ou sans objet

n.e. = Non établi

Lire et suivre toutes les instructions et les précautions d'emploi figurant sur l'étiquette avant d'utiliser le produit. Ces produits sont réservés uniquement à l'usage industriel et par les collectivités. CES PRODUITS NE SONT PAS DESTINÉS À L'USAGE DOMESTIQUE OU À LA REVENTE. GARDER HORS DE LA PORTÉE DES ENFANTS. Bien qu'à notre avis les informations énoncées ci-dessus soient réelles et que le jugement exprimé soit celui d'experts qualifiés, elles ne doivent pas être considérées comme une garantie ou une déclaration pour lesquelles la société assume une responsabilité légale. Ces informations sont données uniquement pour examen, investigation et vérification. L'utilisation des ces informations doit être déterminée par l'utilisateur conformément à la réglementation et à la loi fédérales, d'État et régionales applicables.

INFORMATIONS SUR LA SANTÉ ET LA SÉCURITÉ : (216) 861-7114

Date de Préparation: 08/11/2015 Remplace : 04/01/2012

# PLANILLA DE DATOS DE SEGURIDAD

## State Industrial Products

5915 Landerbrook Drive  
Mayfield Heights, OH 44124  
To Order Call: 1-866-747-2229

6935 Davand Drive  
Mississauga, Ontario L5T 1L5  
To Order Call: 1-800-668-6513

Royal Industrial Park, Bldg "M"  
Local #5, Carr 869, km 1.5 Palmas  
Cataño, PR. 00962  
To Order Call: 787-275-3185



## 1. PRODUCTO QUÍMICO Y DATOS DE LA COMPAÑÍA

Nombre del producto: ECOLUTION PRO Cleaner Degreaser  
Descripción del producto: Un limpiador de fines generales formulado.  
EPA Registration Number: NA

Núm. CHEMTREC las 24 horas: 800-424-9300  
Número MSDS: 115881  
EPA Establishment Number: NA

## 2. ENUMERACIÓN DE PELIGROS

### \*\*\*DESCRIPCIÓN GENERAL DE LAS SITUACIONES DE EMERGENCIA\*\*\*



Signo de  
exclamación

Signo de  
exclamación

### PELIGRO

H316 Causa leve corrosión/irritación en la piel. H318 Provoca lesiones oculares graves. H302 Nocivo en caso de ingestión.

P270 No comer, beber ni fumar durante su utilización. P264 Lavar la piel meticulosamente después de la manipulación. P280 Llevar guantes protectores, ropa protectora, protección en los ojos.

## 3. COMPOSICIÓN/INFORMACIÓN SOBRE LOS COMPONENTES

Componentes peligrosos	Número CAS	Peso	ACGIH	OSHA
Alcohol Ethoxylates	Alcohol Ethoxylates (Proprietary)	<15%	NE	NE
Alcohol Ethoxylates	Alcohol Ethoxylates (Proprietary)	<7.0%	NE	NE
Polyglycoside Alkyl	110615-47-9	<15%	NE	NE
Gluconate de sodio	527-07-1	<5.0%	NE	NE
Dye (FD&C)	Dye (FD&C)	<1%	NE	NE
tinte	Dye (Proprietary)	<1%	NE	NE
Agua	7732-18-5	>52%	NE	NE

..

## 4. MEDIDAS DE PRIMEROS AUXILIOS

P305+P351+P338 EN CASO DE CONTACTO CON LOS OJOS: Aclarar cuidadosamente con agua durante varios minutos. Quitar las lentes de contacto, si lleva y resulta fácil. Seguir aclarando. P332+P313 En caso de irritación cutánea: Consultar a un médico. P301+P312 EN CASO DE INGESTIÓN: Llamar a un CENTRO DE TOXICOLOGÍA o médico SI se siente indispuesto. P301+P330+P331 EN CASO DE INGESTIÓN: Limpie la boca. NO provoque el vómito. P310 Llamar inmediatamente a un CENTRO DE TOXICOLOGÍA o médico.

## 5. MEDIDAS PARA COMBATIR INCENDIOS

Pto. inflamabilidad: >200°F [93°C]

Límite explosivo inferior (LEL): NA Límite explosivo superior (UEL): NA Temperatura de autoignición: NA

Inflamabilidad: No se espera ninguna.

Medio extinguidor: Dióxido de carbono, productos químicos en polvo, espuma.

Instrucciones para combatir el fuego: Use un aparato autónomo para respirar e indumentaria de protección. Por contener aceite, el agua no resultará eficaz para combatir incendios. Puede usarse agua para enfriar los recipientes cerrados y evitar una posible explosión si éstos estuvieran expuestos a calor extremo.

## 6. MEDIDAS EN CASO DE DERRAME ACCIDENTAL

Ventile el área. Coloque una barrera física y contenga el derrame en el propio sitio de origen. Limpie el derrame con agua en abundancia y vierta todo por el drenaje. Obedezca todos los reglamentos federales, estatales y locales relativos a la disposición final de residuos.

## 7. MANIPULACIÓN Y ALMACENAMIENTO

P402 Almacenar en un lugar seco.

## 8. CONTROL DE EXPOSICIÓN/PROTECCIÓN PERSONAL

Controles de ingeniería: Proveer suficiente ventilación mecánica para mantener la exposición por debajo del límite de concentración máxima (Threshold Limit Value, TLV).

Equipo de protección personal: Equipo de protección personal: Equipo de protección personal: Respiratorio: Cuando suelde en recintos pequeños o cuando la ventilación local no mantenga la exposición por debajo del TLV, utilice una mascarilla que proteja contra las emanaciones o un respirador con suministro de oxígeno.

Respiratorio: Si el límite de exposición en el lugar de trabajo es excedido, se aconseja el uso de un respirador de aire ante la ausencia de control ambiental.

Ojos: Use gafas protectoras o gafas con protección lateral sin perforaciones aprobadas.

Piel: Si el contacto fuera prolongado o repetido, use guantes resistentes a productos químicos.

Otros: Una estación de lavavojos de emergencia o una fuente de agua potable limpia debe estar disponible en caso de contacto accidental con los ojos.

## 9. PROPIEDADES FÍSICAS Y QUÍMICAS

Aspecto: Azul-verde

Olor: Sin olor adicional

Estado de agregación: Líquido  
Solubilidad en agua: 100%  
Contenido de VOC: <1%

Concentrarse pH: 7.5 +/-  
Diluido pH: 7.0 - 8.0  
Peso específico: 1.03  
Punto de congelación/fusión: NA / NA

#### 10. ESTABILIDAD Y REACTIVIDAD

Estabilidad: Estable

Polimerización peligrosa: No ocurrirá.

Condiciones a evitar: No mezcle con otros productos químicos.

Incompatibilidad: Agentes oxidantes.

Productos de descomposición peligrosos: Monóxido de carbono, Dióxido de carbono.

#### 11. INFORMACIÓN TOXICOLÓGICA

Este producto no contiene ningún componente en 0.1% o más del que se señale como un carcinógeno humano.

<u>Componentes peligrosos</u>	<u>Número CAS</u>	<u>LD50</u>	<u>LC50</u>
Alcohol Ethoxylates	Alcohol Ethoxylates (Proprietary)	NE	NE
Alcohol Ethoxylates	Alcohol Ethoxylates (Proprietary)	NE	NE
Polyglycoside Alkyl	110615-47-9	> 5.0 g/kg (oral rat)	NE
Gluconate de sodio	527-07-1	NE	NE
Dye (FD&C)	Dye (FD&C)	NE	NE
tinte	Dye (Proprietary)	NE	NE
Agua	7732-18-5	NE	NE

#### 12. INFORMACIÓN ECOLÓGICA

Toxicidad del producto en agua: No tóxico. LC50 < 100 mg./L

Biodegradabilidad: > 60% en los 28 días posteriores

#### 13. SUGERENCIAS PARA SU DISPOSICIÓN FINAL

P501 Elimine el recipiente en conformidad con todas las regulaciones federales, estatales y locales relacionadas con la eliminación de residuos.

#### 14. INFORMACIÓN SOBRE TRANSPORTE

DATOS DE EMBARQUE SEGUN EL DOT (Ministerio de Transporte de los EE.UU.): No se ha regulado.

TDG CANADIENSE: Producto no regulado. No se ha regulado.

Para los envíos internacionales de Air: NA

Para los envíos internacionales de Vessel: NA

#### 15. INFORMACIÓN SOBRE REGLAMENTOS

TSCA: Todos los químicos de este producto están catalogados o están exentos de ser catalogados en el inventario químico de la Ley de Control de Sustancias Tóxicas (Toxic Substances Control Act, TSCA).

CEPA: Todos los químicos de este producto están catalogados o están exentos de ser catalogados en el DSL/NDSL canadiense.

Propuesta 65: Este producto no contiene sustancias registradas en el Estado de California como causante de cáncer, defectos de nacimiento u otros daños reproductivos.

SARA 313: Este producto no contiene sustancias tóxicas sujetas a los requisitos de información del Artículo 313 de la ley de 1986 (40 CFR 372.65) de Planeamiento anteemergencias y Derecho a Estar Informado de la Comunidad.

CLASIFICACIÓN HMIS: SALUD = 1 INFLAMABILIDAD = 0 REACTIVIDAD = 0 EQUIPO DE PROTECCIÓN PERSONAL= B

CLASIFICACIÓN WHMIS: No regulado por WHIMS

#### 16. OTRA INFORMACIÓN

NA = No disponible o No se aplica

NE = No se ha establecido

Antes de utilizar este producto, lea y obedezca todas las instrucciones y precauciones. Este producto fue formulado para utilizarse únicamente en el ámbito industrial e institucional. NO ES PARA REVENTA NI PARA USO EN EL ÁMBITO HOGAREÑO. MANTENGA FUERA DEL ALCANCE DE LOS NIÑOS. Si bien se considera que los datos contenidos en esta planilla son correctos y las opiniones expresadas son las de calificados expertos, los datos no deberán considerarse como garantía ni como declaración por las que la compañía asume responsabilidad legal alguna. Estos datos se brindan sólo para evaluación, investigación y verificación por parte del cliente. El usuario es quien deberá determinar si cualquier uso que se dé a estos datos e información está de acuerdo con las leyes y reglamentos federales, estatales y locales aplicables.

INFORMACIÓN DE SEGURIDAD Y SALUD: (216) 861-7114

Preparado Encendido: 08/11/2015

Reemplaza: 04/01/2012



**90500487**

**HI-TECH**

**Lime Away**

**De-Scaler**

**(CAFÉ use only)**



NFPA SYMBOL



# MATERIAL SAFETY DATA SHEET

EMERGENCY

PHONE NUMBER

(800) - 535-5053 INFOTRAC

ECONOMICAL JANITORIAL & PAPER SUPPLIES, INC.  
1420-F SAMS AVE. HARAHAN, LA 70123 (504) 464-7166

Date: JANUARY 1, 2007

SECTION I - TRADE NAME : LIME AWAY  
IDENTIFICATION :  
PRODUCT NUMBER : 5184  
OF PRODUCT :  
SHIPPING DESCRIPTION: COMPOUNDS, CLEANING LIQUID, 8,  
NA 1760, III, (contains Hydrochloric acid)

HAZARDOUS COMPONENTS	OSHA PEL	ACGIH TLV	CAS #
PHOSPHORIC ACID	3 PPM	3 PPM	7664-38-2
HYDROCHLORIC ACID	5 PPM	5 PPM	7647-01-1

SECTION 313 - SUPPLIER NOTIFICATION:  
THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF  
SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372:  
CHEMICAL NAME  
\*\*\*CAS #\*\*\*

7647-01-1 5 -15%  
7664-38-2 10- 15%  
HYDROCHLORIC ACID  
PHOSPHORIC ACID

THIS INFORMATION MUST BE INCLUDED IN ALL MSDS THAT ARE COPIED AND  
DISTRIBUTED FOR THIS MATERIAL.

## SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS:

BOILING POINT = >212°F  
SPECIFIC GRAVITY (H28=1) = 1.05  
SOLUBILITY IN WATER = COMPLETE  
APPEARANCE = CLEAR LIQUID  
ODOR = ACIDIC  
VAPOR PRESSURE (mmHg) = UNKNOWN  
VAPOR DENSITY (Air=1) = UNKNOWN  
EVAPORATION RATE (Butyl Act=1) = UNKNOWN  
POUNDS PER GALLON = 9.16

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT = NONE  
EXTINGUISHING MEDIA = AS REQUIRED BY THE SURROUNDING FIRE  
SPECIAL FIRE FIGHTING = WEAR SELF-CONTAINED FULL-FACE  
PROCEDURES = BREATHING APPARATUS.  
UNUSUAL HAZARDS = REACTION WITH METALS EMITS HYDROGEN GAS

## SECTION V - REACTIVITY DATA:

STABILITY = STABLE  
CONDITIONS TO AVOID = EXTREME TEMPERATURES  
POLYMERIZATION = WILL NOT OCCUR  
CONDITIONS TO AVOID = NONE  
INCOMPATIBLE MATERIALS = BASES, METALS, OXIDIZERS  
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS = H2, CO2, CO

## SECTION VI - HEALTH HAZARDS DATA:

THRESHOLD LIMIT VALUE=

CARCINOGENICITY=

NTP=

OSHA REGULATED =

HEALTH HAZARDS ACUTE/CHRONIC =

IRRITATION AND POSSIBLE TISSUE DAMAGE DEPENDING ON EXPOSURE. NAUSEA,

VOMITING AND DIARRHEA MAY OCCUR UPON INGESTION. PROLONGED SKIN

CONTACT MAY CAUSE SEVERE IRRITATION, DEFATTING AND DERMATITIS.

EMERGENCY FIRST AID PROCEDURES =

INHALATION = MOVE TO FRESH AIR. CONSULT PHYSICIAN

IF SYMPTOMS PERSIST.

INGESTION = DO NOT INDUCE VOMITING. GIVE LARGE

QUANTITIES OF WATER THEN SEVERAL GLASSES OF MILK.

GET MEDICAL ATTENTION IMMEDIATELY.

EYE CONTACT = FLUSH EYES IMMEDIATELY WITH LARGE QUANTITIES OF

WATER FOR 15 MINUTES. LIFTING EYELIDS OCCASIONALLY.

GET MEDICAL ATTENTION.

SKIN CONTACT = REMOVE CONTAMINATED CLOTHING

WASH SKIN WITH SOAP AND WATER THEN RINSE AND REPEAT.

## SECTION VII - PRECAUTIONS FOR SAFE HANDLING:

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

LARGE SPILLS: CONTAIN SPILL. MOP UP OR ABSORB LIQUID WITH RAGS. OR

FLOOR ABSORBENT AND PLACE IN CLOSED CONTAINERS. PROVIDE ADEQUATE

SMALL SPILLS: VENTILATION AND WEAR ADEQUATE PERSONAL

PROTECTIVE EQUIPMENT.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE

WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

PRECAUTIONS TO TAKE IN HANDLING &amp; STORAGE: STORE IN COOL, DRY PLACE

KEEP CONTAINER CLOSED WHEN NOT IN USE.

OTHER PRECAUTIONS: ELIMINATE SOURCES OF IGNITION

KEEP OUT OF REACH OF CHILDREN.

## SECTION VIII - CONTROL MEASURES:

RESPIRATORY PROTECTION = NONE REQUIRED WITH ADEQUATE VENTILATION

VENTILATION = USE ADEQUATE CROSS VENTILATION

PROTECTIVE GLOVES = RECOMMENDED

EYE PROTECTION = RECOMMENDED

OTHER PROTECTIVE MEASURES = WASH HANDS THOROUGHLY

AFTER USE.

## MANUFACTURER:

TRANS GULF INDUSTRIES, INC.  
6101 HUMPHREYS STREET  
PO BOX 23809  
HARAHAN, LA 70183

## EMERGENCY PHONE #

DAY M-F (504) - 733-7865

NIGHT (800) - 535-5053

This information is drawn from recognized sources believed to be reliable. TRANS GULF INDUSTRIES INC. makes no guarantees or assumes any liability in connection with this information. The user should be aware of changing technology, research, regulations and analytical procedures that may require changes herein. The above data is supplied upon the condition that customers will evaluate this information and then determine its suitability for their use. Only USA Regulations apply to the above.







90900200

**World Class Court**  
**Gym Floor Finish**

## 1. Identification

**Product identifier** 450 GYM FINISH

**Other means of identification**

**SDS number** 552N-97A

**Product code** HIL00284

**Recommended use** Gym Finish

**Recommended restrictions** None known.

**Manufacturer/Importer/Supplier/Distributor information**

**Manufacturer**

**Manufacturer**

**Company name**

HILLYARD INDUSTRIES

**Address**

302 North Fourth St.  
St. Joseph, MO 64501

**Contact person**

Regulatory Affairs

**Telephone number**

(816) 233-1321 (Ext. 8285)

**Fax**

(816) 383-8485

**E-mail**

regulatoryaffairs@hillyard.com

**Emergency telephone #**

(800) 424-9300

(Only in the event of chemical emergency involving a spill, leak, fire, exposure, or accident involving chemicals.)

## 2. Hazard(s) identification

**Physical hazards**

Flammable liquids

Category 3

**Health hazards**

Acute toxicity, inhalation

Category 4

Skin corrosion/irritation

Category 2

Serious eye damage/eye irritation

Category 2B

Sensitization, skin

Category 1

Germ cell mutagenicity

Category 1B

Carcinogenicity

Category 1B

Specific target organ toxicity, single exposure

Category 3 narcotic effects

Specific target organ toxicity, repeated exposure

Category 1

**Environmental hazards**

Not classified.

**OSHA defined hazards**

Not classified.

**Label elements**



**Signal word**

Danger

**Hazard statement**

Flammable liquid and vapor. Causes skin irritation. May cause an allergic skin reaction. Causes eye irritation. Harmful if inhaled. May cause drowsiness or dizziness. May cause genetic defects. May cause cancer. Causes damage to organs through prolonged or repeated exposure.



## Precautionary statement

### Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.

### Response

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. In case of fire: Use appropriate media to extinguish.

### Storage

Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.

### Disposal

Buyer assumes all risk and liability associated with disposal of this product (original concentration or dilution) in violation of applicable law in compliance with applicable federal, state and local requirements.

### Hazard(s) not otherwise classified (HNOC)

None known.

### Supplemental information

NOTICE: Saw dust from freshly sanded floors or dust from wood floors that have been abraded between coats will spontaneously catch fire if improperly discarded. Immediately after abrading or sanding wood floors, place dust waste in a sealed, water-filled metal container and immediately remove from building.

NOTICE: Rags or applicators soaked in a combustible liquid will spontaneously catch fire if improperly discarded. Immediately after using rags or applicators soaked in a combustible liquid, place waste in a sealed, water-filled metal container and immediately remove from building.

NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvent with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Use With Adequate Ventilation. Avoid breathing vapors or spray mist. Open windows and doors, use exhaust fans or other means to insure fresh air entry during application and drying. If you experience eye watering, headache, or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during and after application. Follow respirator manufacturer's directions for respirator use.

Spill and Waste: Remove all sources of ignition. Ventilate and remove with inert absorbent. Incinerate in approved facility. Do not incinerate closed container. In case of spillage, absorb with inert material and dispose of in accordance with applicable regulations.

## 3. Composition/information on ingredients

### Mixtures

Chemical name	Common name and synonyms	CAS number	%
Stoddard Solvent		8052-41-3	40 - < 50
Ethyl Benzene		100-41-4	< 0.3
Other components below reportable levels			50 - < 60

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

## 4. First-aid measures

### Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Call a POISON CENTER or doctor/physician if you feel unwell.

### Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.

### Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

### Ingestion

If swallowed, seek medical advice immediately and show this container or label. Rinse mouth thoroughly.

**Most important symptoms/effects, acute and delayed**

**Indication of immediate medical attention and special treatment needed**

**General information**

May cause drowsiness and dizziness. Headache. Nausea, vomiting. Exposed individuals may experience eye tearing, redness, and discomfort. Irritation of eyes and mucous membranes. Irritation of nose and throat. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash. Prolonged exposure may cause chronic effects.

Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

## 5. Fire-fighting measures

**Suitable extinguishing media**

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media**

Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical**

Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.

**Special protective equipment and precautions for firefighters**

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Fire fighting equipment/instructions**

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

**Specific methods**

Use standard firefighting procedures and consider the hazards of other involved materials.

**General fire hazards**

Flammable liquid and vapor.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

**Methods and materials for containment and cleaning up**

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material. This product is miscible in water.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground.

**Environmental precautions**

## 7. Handling and storage

**Precautions for safe handling**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not breathe mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

**Conditions for safe storage,  
including any incompatibilities**

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Ethyl Benzene (CAS 100-41-4)	PEL	435 mg/m3
		100 ppm
Stoddard Solvent (CAS 8052-41-3)	PEL	2900 mg/m3
		500 ppm

#### US. ACGIH Threshold Limit Values

Components	Type	Value
Ethyl Benzene (CAS 100-41-4)	TWA	20 ppm
Stoddard Solvent (CAS 8052-41-3)	TWA	100 ppm

#### US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Ethyl Benzene (CAS 100-41-4)	STEL	545 mg/m3
		125 ppm
	TWA	435 mg/m3
		100 ppm
Stoddard Solvent (CAS 8052-41-3)	Ceiling	1800 mg/m3
	TWA	350 mg/m3

### Biological limit values

#### ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
Ethyl Benzene (CAS 100-41-4)	0.15 g/g	Sum of mandelic acid and phenylglyoxylic acid	Creatinine in urine	*

\* - For sampling details, please see the source document.

### Appropriate engineering controls

Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

### Individual protection measures, such as personal protective equipment

#### Eye/face protection

Chemical splash goggles where there is a potential for eye contact.

#### Skin protection

##### Hand protection

Wear appropriate chemical resistant gloves.

##### Other

Wear appropriate chemical resistant clothing. Wear suitable protective clothing and gloves.

#### Respiratory protection

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Chemical respirator with organic vapor cartridge.

#### Thermal hazards

Wear appropriate thermal protective clothing, when necessary.



## General hygiene considerations

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

## 9. Physical and chemical properties

<b>Appearance</b>	Clear, amber liquid
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	Amber
<b>Odor</b>	Mineral spirit odor
<b>Odor threshold</b>	Not available
<b>pH</b>	Not applicable
<b>Melting point/freezing point</b>	Not applicable / Not available
<b>Initial boiling point and boiling range</b>	335 °F (168.33 °C)
<b>Flash point</b>	> 100.0 °F (> 37.8 °C) Setaflash
<b>Evaporation rate</b>	< 1 Ethyl ether = 1
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
<b>Vapor pressure</b>	2.9 mm Hg
<b>Vapor density</b>	4.815 AIR=1
<b>Relative density</b>	0.897 at 77°F
<b>Solubility(ies)</b>	
Solubility (water)	Negligible
<b>Partition coefficient (n-octanol/water)</b>	Not available
<b>Auto-ignition temperature</b>	Not available
<b>Decomposition temperature</b>	Not available
<b>Viscosity</b>	Not available
<b>Other information</b>	
Density	7.42 lb/gal
Percent volatile	49.5 - 50.5 %
VOC (Weight %)	< 450 g/l

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Harmful if inhaled. May cause damage to organs through prolonged or repeated exposure by inhalation. May cause drowsiness and dizziness. Headache. Nausea, vomiting.
<b>Skin contact</b>	Causes skin irritation. May cause an allergic skin reaction.
<b>Eye contact</b>	Causes eye irritation.



**Ingestion**

Expected to be a low ingestion hazard.

**Symptoms related to the physical, chemical and toxicological characteristics**

May cause drowsiness and dizziness. Headache. Nausea, vomiting. Irritation of eyes and mucous membranes. Exposed individuals may experience eye tearing, redness, and discomfort. Irritation of nose and throat. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

**Information on toxicological effects****Acute toxicity**

Harmful if inhaled. Narcotic effects. May cause an allergic skin reaction.

**Product****Species****Test Results**

450 GYM FINISH

**Acute***Dermal*

LD50

Rabbit

10158.2803 g/kg estimated

*Oral*

LD50

Guinea pig

1279.3177 g/kg estimated

Mouse

1279.3177 g/kg estimated

Rabbit

341.1514 g/kg estimated

Rat

76715.3594 mg/kg estimated

**Components****Species****Test Results**

Ethyl Benzene (CAS 100-41-4)

**Acute***Dermal*

LD50

Rabbit

17800 mg/kg

*Oral*

LD50

Rat

3500 mg/kg

\* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation**

Causes skin irritation.

**Serious eye damage/eye irritation**

Causes eye irritation.

**Respiratory or skin sensitization****Respiratory sensitization**

Not a respiratory sensitizer.

**Skin sensitization**

May cause an allergic skin reaction.

**Germ cell mutagenicity**

May cause genetic defects.

**Carcinogenicity**

May cause cancer.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Ethyl Benzene (CAS 100-41-4)

2B Possibly carcinogenic to humans.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**Reproductive toxicity**

This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure**

May cause drowsiness and dizziness.

**Specific target organ toxicity - repeated exposure**

Causes damage to organs through prolonged or repeated exposure.

**Aspiration hazard**

Not an aspiration hazard.

**Chronic effects**

Causes damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful.

**12. Ecological information****Ecotoxicity**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Product		Species	Test Results
450 GYM FINISH			
<b>Aquatic</b>			
Crustacea	EC50	Daphnia	1151.0664 mg/l, 48 hours estimated
Fish	LC50	Fish	1104.5116 mg/l, 96 hours estimated
Components		Species	Test Results
Ethyl Benzene (CAS 100-41-4)			
<b>Aquatic</b>			
Crustacea	EC50	Water flea (Daphnia magna)	1.37 - 4.4 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	7.5 - 11 mg/l, 96 hours

\* Estimates for product may be based on additional component data not shown.

**Persistence and degradability** No data is available on the degradability of this product.

#### Bioaccumulative potential

##### Partition coefficient n-octanol / water (log Kow)

Ethyl Benzene	3.15
Stoddard Solvent	3.16 - 7.15

**Mobility in soil** No data available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### 13. Disposal considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Incinerate the material under controlled conditions in an approved incinerator. Do not incinerate sealed containers. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products** Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). Notice: Saw dust from freshly sanded floors or dust from wood floors that have been abraded between coats will spontaneously catch fire if improperly discarded. Immediately after abrading or sanding wood floors, place dust waste in a sealed, water-filled metal container and immediately remove from building. Notice: Rags or applicators soaked in a combustible liquid will spontaneously catch fire if improperly discarded. Immediately after using rags or applicators soaked in a combustible liquid, place waste in a sealed, water-filled metal container and immediately remove from building. Dispose of in accordance with local regulations.

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

### 14. Transport information

#### DOT

Not regulated as dangerous goods.

Not Regulated For Ground Transportation.

**General information** This material is regulated under IATA and IMDG regulations. Contact manufacturer for shipping instructions.

### 15. Regulatory information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.  
All components are on the U.S. EPA TSCA Inventory List.

#### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

#### CERCLA Hazardous Substance List (40 CFR 302.4)

Ethyl Benzene (CAS 100-41-4) Listed.

**SARA 304 Emergency release notification**

Not regulated.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**  
Immediate Hazard - Yes  
Delayed Hazard - Yes  
Fire Hazard - Yes  
Pressure Hazard - No  
Reactivity Hazard - No

**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** No

**SARA 313 (TRI reporting)**

Chemical name	CAS number	% by wt.
Ethyl Benzene	100-41-4	< 0.3

**Other federal regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Ethyl Benzene (CAS 100-41-4)

**Safe Drinking Water Act (SDWA)** Not regulated.

**US state regulations****US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)**

Not listed.

**US. Massachusetts RTK - Substance List**

Ethyl Benzene (CAS 100-41-4)  
Stoddard Solvent (CAS 8052-41-3)

**US. New Jersey Worker and Community Right-to-Know Act**

Ethyl Benzene (CAS 100-41-4)  
Stoddard Solvent (CAS 8052-41-3)

**US. Pennsylvania Worker and Community Right-to-Know Law**

Ethyl Benzene (CAS 100-41-4)  
Stoddard Solvent (CAS 8052-41-3)

**US. Rhode Island RTK**

Ethyl Benzene (CAS 100-41-4)

**US. California Proposition 65**

WARNING: This product contains a chemical known to the State of California to cause cancer.

**US - California Proposition 65 - CRT: Listed date/Carcinogenic substance**

Ethyl Benzene (CAS 100-41-4) Listed: June 11, 2004

**International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information, including date of preparation or last revision**

**Issue date** 04-17-2015  
**Version #** 01  
**HMIS® ratings** Health: 2\*  
Flammability: 3  
Physical hazard: 0

## Disclaimer

No representations or warranties, either express or implied, of merchantability, fitness for a particular purpose, or of any nature are made with respect to the product(s) or information contained in this material safety data sheet. The information and recommendations contained in this Material Safety Data Sheet are supplied pursuant to 29 CFR 1910.1200 of the Occupational Safety and Health Standards Hazard Communication Rule. All information contained herein is presented in good faith and is believed to be appropriate and accurate. The buyer or user assumes all risks associated with the use, misuse or disposal of this product. The buyer or user is responsible to comply with all federal, state or local regulations concerning the use, misuse or disposal of these products.



## 1.0 Identification

### 1.1 Product Identifier

**Product Name: Poloplaz World Class Finish**

Application of the substance/the preparation: Polyurethane Wood Finish

1.2 Relevant identified uses of the substance or mixture: Finishes, Coatings and Related Materials:  
For Professional Use Only.

### 1.3 Supplier:

Poloplaz

1 Paradise Park Road

Jacksonville, AR 72076

Telephone: (501) 985-1172

www.poloplaz.com

### 1.4 Emergency contact:

Infotrac #: 1-800-535-5053

## 2.0 Hazards Identification

### GHS Classification:

Flammable liquids:

Category 3

Skin irritation:

Category 2

Aspiration hazard:

Category 1

Specific target organ toxicity-single exposure:

Category 3 (central nervous system)

Chronic aquatic toxicity:

Category 2

Carcinogenicity:

Category 2

### GHS Label element

Hazard Pictograms:



Signal Word: Danger

### Hazard Statements:

H226: Flammable liquid and vapors

H304: May be fatal if swallowed and enters airways

H315: Causes skin irritation

H318: Causes eye irritation

H336: May cause drowsiness or dizziness

H351: Suspected of causing cancer

H372: Causes damage to organs through prolonged or repeated exposure

H411: Toxic to aquatic life with long lasting effects

**Precautionary Statements**

**Prevention:**

P102: Keep out of reach of children

P103: Read label before use

P202: Do not handle until all safety precautions have been read and understood

P210: Keep away from heat/sparks/open flames/hot surfaces-No smoking

P233: Keep container tightly closed

P242: Use only non-sparking tools

P243: Take precautionary measures against static discharge

P261: Avoid breathing fume/dust/mist/vapors/spray

P264: Wash thoroughly after handling

P270: Do not eat, drink or smoke when using this product

P271: Use only outdoors or in a well ventilated area.

P273: Avoid release to the environment

P280: Wear protective gloves/protective clothing/eye protection/face protection

P285: In case of inadequate ventilation, use respiratory protection

**Response:**

P301 + P310 IF SWALLOWED; immediately call a POISON CENTER or doctor/physician.

P303+ P 361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.

Rinse skin with water/shower

P304 + P 340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do-continue rinsing.

P314: Get medical advice/attention if you feel unwell.

P331 Do NOT induce vomiting

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

**Storage:**

P403 + P235: Store in a well-ventilated place. Keep cool.

P405: Store locked up.

**Disposal:**

P501 Dispose of contents/container to an approved waste disposal plant.

**Additional Information:**

Other Hazards: Rags, steel wool and other waste soaked with this product along with sawdust from freshly sanded floors or dust from wood floors that have been abraded between coats may spontaneously catch fire if improperly discard. Dispose of rags, sawdust, steel wool, and waste products in a sealed metal container and in accordance with local fire regulations.

**POLOPLAZ WORLD CLASS FINISH**

**SDS: 5/08/15**

**Replaces: 2/14/13**

Warning: Reports have associated repeated and prolonged exposure to some of the chemicals in this product with permanent brain, liver, kidney and nervous system damage. Intentional misuse by deliberate concentration and inhalation of vapors may be harmful or fatal.

See Section 11 for more detailed information on health effects and symptoms.

**3. Composition/information on ingredients:**

Hydrotreated Light Distillates (petroleum), CAS # 64742-47-8, % wt 55-60%

Solvent Naphtha, medium aliphatic (petroleum), CAS 64742-88-7, %wt 1-5%

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

**4. First Aid Measures:**

**Eye Contact**

Move individual away from exposure. Remove contact lenses. Immediately flush eyes with large quantities of clean water for at least 15 minutes. Keep eyes(s) wide open while rinsing. Get immediate medical attention

**Skin Contact**

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if irritation develops or persists. Wash contaminated clothing before reuse

**Inhalation**

Remove victim to fresh air. Keep warm and quiet. If not breathing, give artificial respiration. If breathing is difficult, give oxygen by trained personnel. GET IMMEDIATE MEDICAL ATTENTION

**Ingestion (Swallowed)**

Do not induce vomiting. Potential for aspiration if swallowed. This material may enter the lungs during vomiting. Never give anything by mouth to an unconscious person. GET IMMEDIATE MEDICAL ATTENTION.

**5. Fire-Fighting Measures**

**Suitable Extinguishing Media**

Carbon dioxide (CO<sub>2</sub>), foam, dry chemical, water spray. Does not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

Hazardous combustion products Carbon monoxide, Carbon dioxide (CO<sub>2</sub>)

Combustion/Explosion Hazards Combustible liquid. Vapors may form explosive mixture with air. flash back possible over considerable distance. Empty containers may retain product residue (liquid and/or vapor). Do not pressurize, cut weld, braze, colder, drill, grind, or expose these containers to heat, flame, sparks, static electricity or other sources of ignition as the container may explode and may cause injury or death. Empty containers should be completely drained and properly bunged. Empty containers should be promptly return to a be reconditioned or properly disposed.

Protective equipment and precautions for firefighters:

Wear self contained breathing apparatus (SCBA) and full fire fighting protective clothing. Thoroughly decontaminate all protective equipment after use. Evacuate all persons from the fire area to a safe location. Move non-burning material, as feasible to a safe location as soon as possible. Fire fighters should be protected from potential explosion hazard while extinguishing the blaze. DO NOT extinguish a fire resulting from the flow of this combustible liquid until the flow of liquid is effectively shut off. This precaution will help prevent the accumulation of an explosive vapor-air mixture after the initial fire is extinguished. Use water spray to cool fire-exposed containers.

## 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures.

Personal precautions. Remove all source of ignition. Use person protective equipment as require. Ensure adequate ventilation. Keep people away from and upwind of spill/leak.

Environmental precautions. Prevent further leakage or spillage, if safe to do dos. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Methods and material for containment and clean up:

Methods for containment: Prevent spilled form 1) contamination in soil, 2) entering sanitary sewers, and drainage systems, and 3) entering bodies of water or ditches that lead to waters ay. Prevent spreading over a wide area (e.g. by containment or oil barriers)

Methods for clean-up Soak with inter absorbent material (e.g., sand, silica gel)

## 7. Handling and storage

Precautions for safe handling



**POLOPLAZ WORLD CLASS FINISH**

SDS: 5/08/15

Replaces: 2/14/13

Handling. Avoid breathing vapors or mists. Avoid contact with eyes, skin and clothing. Take off contaminated clothing and wash before reuse. Wash hands before breaks and immediately after handling the product. Ensure adequate ventilation. Remove all sources of ignition. Do not smoke. Ground and bond containers when transferring material Use spark proof tools and explosion –proof equipment

Conditions for safe storage, including any incompatibilities.

Storage Keep away from heat, sparks and open flame. No smoking. Keep containers tightly closed in a dry cool and well-ventilated place.

**8. Exposure controls/Personal Protection**

CAS-No	Components	Value type (Form of Exposure)	Control parameters/ Permissible concentration	Basis
64742-47-8	Distillates (Pet, light)	TWA	500 ppm	OSHA Z-1
			2,000 mg/m3	
		TWA	200 mg/m3 (as total hydro- carbon vapor)	ACGIH
64742-47-8	Solvent (naptha)			
		TWA	400 ppm	OSHA PO
			1,600 mg/m3	
64742-47-8	Solvent (naptha)	TWA	500 ppm	OSHA Z-1
			2,000 mg/m3	
		TWA	200 mg/m3 (as total hydro- carbon vapor)	ACGIH
64742-47-8	Solvent (naptha)			
		TWA	400 ppm	OSHA PO
			1,600 mg/m3	

## POLOPLAZ WORLD CLASS FINISH

SDS: 5/08/15

Replaces: 2/14/13

### Appropriate Engineering Controls

Engineering controls Use general ventilation to maintain airborne concentration to levels that are below regulatory and recommended occupation exposure limits. Local ventilation may be required during certain operations. Use explosion proof equipment.

Individual protection measures, such as personal protective equipment.

Eye/face protection: Safety glass with side-shield., if splashes are likely to occur. Tight sealed safety goggles. Ensure that eyewash stations and safety showers are close to the workstation location.

Skin Protections: Gloves made of nitrile rubber. Please observe the instructions regarding permeability and breakthrough time which are proved by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion. Chemical resistant apron, boots.

Respiratory protection: None required if hazards have been assessed and airborne concentrations are maintained below the exposure limits listed in Section 8. Wear an approved air-purifying respirator with organic vapor cartridges where airborne concentrations may exceed exposure limits in Section 8. Use an approve positive-pressure air-supplied respirator with emergency escape provision if there is any potential from an uncontrolled release, airborne concentrations are not know, or any other circumstances where air-purifying respirators may not provide adequate protect.

"General hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

### 9. Physical and chemical properties

Appearance	Pale yellow
Odor	Mild petroleum odor
Odor threshold	No information available
Physical State	Liquid
pH	Not applicable
Flashpoint	101 °F TCC
Autoignition Temperature	260 °C (Stoddard Solvent)
Boiling range	161-198 °C (Stoddard Solvent)
Melting point/Freezing point	No information available
Flammability Limit in Air	
Lower	0.8% (Stoddard Solvent)
Upper	5.6% (Stoddard Solvent)
Specific Gravity	0.88
Solubility	Insoluble (water)

**POLOPLAZ WORLD CLASS FINISH**

**SDS: 5/08/15**

**Replaces: 2/14/13**

Evaporation Rate	0.18 (BuAc =1) (Stoddard Solvent)
Vapor Pressure	0.27 KPa @ 20 °C (Stoddard Solvent)
Vapor Density	4.9 (Air =1) (Stoddard Solvent)
Explosive Properties	No information available
Oxidizing Properties	No information available
Percent Volatile (% wt.)	56
VOC content	497 g/l-4.14 lbs/gal
Viscosity	40-60 cps
Partition Coefficient (n-octanol/Water)	No information available
Decomposition Temperature	No information available

**10. Stability and Reactivity**

Reactivity: No dangerous reaction known under conditions of normal use.

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: Hazardous Polymerization does not occur.

Conditions to Avoid

Keep away from open flames, hot surfaces and sources of ignition.

Incompatible materials: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide. Carbon dioxide (CO<sub>2</sub>) Hydrocarbons

**11. Toxicological Information**

Information on likely routes of exposure

Primary Routes of Entry Skin contact, Ingestion, Inhalation, Eye Contact

Acute toxicity

64742-47-8

Oral LD50	> 5000 mg/kg (rat)
Dermal LD50	> 2000 mg/kg (rabbit)

64742-88-7

Oral LD50	> 5000 mg/kg (rat)
Inhalation LD50	> 5.28 mg/l (rat, male, female)

Dermal LD50

> 2000 mg/kg (rabbit)

**Information on toxicological effects**

**Symptoms:** Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Delayed and immediate effects as well as chronic effect from short and long-term exposure.

**Eyes:** Mild eye irritant

**Skin:** Mild skin irritant. Repeated exposure may cause skin dryness or cracking.

**Inhalation:** Inhalation of vapors in high concentration may cause irritation of respiratory system. Inhalation of high vapor concentrations can cause CNS-depression and narcosis.

**Ingestion:** Ingestion (swallowing) may irritate the mouth, throat and stomach. Ingestion is not an anticipated route of exposure for this material in industrial use.

**Respiratory or skin sensitization**

**64742-47-8**

Does not cause skin sensitization

**64742-88-7**

Does not cause skin sensitization

**Germ cell mutagenicity**

**64742-47-8**

Negative

**64742-88-7**

Negative

**Carcinogenicity**

**64742-47-8**

Species: mouse, (male and female), dermal

Result: Limited evidence of carcinogenic effects

Symptoms: Local irritation, dermal tumors

Carcinogenicity Assessment: Classification not possible from current data.



64742-88-7

Species: mouse, (male and female), dermal

Result: Limited evidence of carcinogenic effects

Symptoms: Local irritation, dermal tumors

Carcinogenicity Assessment: Classification not possible from current data.

Reproductive toxicity

64742-47-8

Fertility: No Reproductive effects

Fetal development: Developmental toxicity occurred at maternal toxicity dose levels.

No teratogenic effects.

Reproductive toxicity assessment: Animal testing did not show any effects on fertility.

Embryotoxicity classification not possible from current data.

64742-88-7

Fertility: No Reproductive effects

Fetal development: Developmental toxicity occurred at maternal toxicity dose levels.

No teratogenic effects.

Reproductive toxicity assessment: Animal testing did not show any effects on fertility.

Embryotoxicity classification not possible from current data.

Specific Target Organ Toxicity (STOT)-single exposure, Inhalation, target organ Central Nervous System, May cause drowsiness or dizziness,

STOT-repeated exposure

Reports have associated repeated and prolonged exposure to some of the chemicals in this product with permanent brain, liver, kidneys and nervous system damage. Intentional misuse by deliberate concentration and inhalation of vapors may be harmful or fatal.

Aspiration toxicity

May be fatal if swallowed and enters airways.

## 12. Ecological Information:

64742-47-8

Toxicity to fish: LL50 25 mg/l

**POLOPLAZ WORLD CLASS FINISH**

**SDS: 5/08/15**

**Replaces: 2/14/13**

Toxicity to daphnia: EL50 1.4 mg/l

Toxicity to algae: EL50 1-3 mg/l

64742-88-7

Toxicity to fish: LL50 2 mg/l

Toxicity to daphnia: EL50 1.4 mg/l

Toxicity to algae: EL50 1 mg/l

Do not empty into drains; dispose of this material its container in a safe way. Avoid dispersal of spilled material and runoff and runoff and contact with soil, waterways, drains and sewers.

**13. Disposal Considerations**

Disposal methods

Waste from residues: Dispose of in accordance with all applicable local, state and federal regulations.

Contaminated packaging:

Empty remaining contents.

Dispose of as unused product.

Do not re-use empty containers.

Do not burn, or use a cutting torch on, the empty container.

**14. Transport Information**

DOT: May be Classed as a Combustible Liquid for U.S. Ground.

UN 1263, Paint, Class 3, Packing Group III, Labels 3, Emergency Response 128

Canada (TDG): May be Classed as a Combustible Liquid for U.S. Ground.

UN 1263, Paint, Class 3, Packing Group III, Labels 3, Emergency Response 128

IATA: UN 1263, Paint, Class 3, Packing Group III, Labels 3

Packing Instruction (cargo aircraft) 366

Packing Instruction (passenger aircraft) 355

IMDG: UN 1263, Paint, Class 3, Packing Group III, Labels 3

EmS Number 1: F-E

EmS Number 2: S-E

POLOPLAZ WORLD CLASS FINISH

SDS: 5/08/15

Replaces: 2/14/13

15. Regulatory information

**OSHA HAZARDS:** Combustible Liquid, Toxic by inhalation, harmful by ingestion, harmful by skin absorption, moderate skin irritant, aspiration hazard

International Inventories

**TSCA: United States**

Yes-All components are listed or exempt

**DSL: Canada**

Yes-All components are listed or exempt

Federal Regulations

**CERCA Reportable Quantity:** This material does not contain any components with a CERCLA RQ.

**SARA302 Reportable Quantity:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA304 Reportable Quantity:** This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 categorization**

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

**SARA313:** This material does not contain any components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**Clean Air Act:**

**Ozone-Depletion Potential:** This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App. A+B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S Clean Air Act Section 12 (40 CFR 61)

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for accidental release prevention (40 CFR 68. 130, Subpart F).

**POLOPLAZ WORLD CLASS FINISH**

**SDS: 5/08/15**

**Replaces: 2/14/13**

**California Proposition 65:** This product may contain small amounts of material known to the state of California to cause cancer or reproductive harm.

**16. Other information**

HMIS:                      Health: 2                      Flammability: 2                      Reactivity: 0

NFPA:                      Health: 2                      Flammability: 2                      Reactivity: 0

We recommend containers be either professionally reconditioned for reuse by certified firms or properly disposed of by certified firms to help reduce the possibility of an accident. Disposal of containers should be in accordance with applicable Federal, State, and Local laws and regulations. Empty drums should not be given to individuals.

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any representation or warranty, expressed or implied, regarding its accuracy or correctness.

The conditions of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.



**90500490**

**H& H Stoko**

**Foam Soap**

# Material Safety Data Sheet

MSDS ID: SK-145D

## \*\*\* Section 1 - Chemical Product and Company Identification \*\*\*

**Product Name: STOKO Refresh® Moisturizing Foam Hand Cleaner**

**Product Use:** Skin Cleansing

### Company Information

Deb USA, Inc.  
2815 Coliseum Centre Dr Suite 600  
Charlotte, NC 28217

Non-Emergency # 800-242-2271  
**Emergency # (800) 424-9300 CHEMTREC (North America)**  
**Emergency # (703) 527-3887 CHEMTREC (International, call collect)**

### General Comments

Emergency telephone numbers are to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving the product. All non-emergency questions should be directed to the toll free customer service number.

## \*\*\* Section 2 - Hazards Identification \*\*\*

### Emergency Overview

No health hazard is anticipated during normal handling and use.

### Potential Health Effects: Eyes

Will cause minor eye irritation.

### Potential Health Effects: Skin

None.

### Potential Health Effects: Ingestion

Harmful if swallowed.

### Potential Health Effects: Inhalation

None.

**HMIS Ratings:** Health: 1 Fire: 0 Reactivity: 0 Pers. Prot.: None Applicable  
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard

## \*\*\* Section 3 - Composition / Information on Ingredients \*\*\*

CAS #	Component
68891-38-3	Poly(oxy-1,2-ethanediyl), $\alpha$ -sulfo- $\omega$ -hydroxy-, C12-14-alkyl ethers, sodium salts
68201-46-7	Glycerides, coco mono- and di-, ethoxylated
67784-88-7	Glycerides, palm-oil mono- and di-, hydrogenated, ethoxylated
61789-40-0	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivatives, inner salts

### Component Information/Information on Non-Hazardous Components

This product is a cosmetic intended for personal use in the workplace and is thus regulated by FDA.

See container label regarding proper handling and use of this product.

Ingredients are listed in descending order of concentration on the container label.

For OSHA workplace hazards, investigate and read and understand component MSDS's before manufacturing.

## Material Safety Data Sheet

Product Name: Stoko Refresh Moisturizing Foam Hand Cleaner

MSDS ID: SK-145D

Toxic Substances Control Act (TSCA): Exempt

Workplace Hazardous Materials Information System (WHIMS-Canada): Exempt-cosmetic hand cleaner

### \*\*\* Section 4 - First Aid Measures \*\*\*

**First Aid: Eyes**

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice if symptoms persist.

**First Aid: Skin**

None.

**First Aid: Ingestion**

If the material is swallowed, get immediate medical attention or advice -- Give several glasses of water. DO NOT induce vomiting unless directed to do so by medical personnel.

**First Aid: Inhalation**

None

### \*\*\* Section 5 - Fire Fighting Measures \*\*\*

**General Fire Hazards**

This product is not flammable.

**Upper Flammable Limit (UFL):** Not determined

**Lower Flammable Limit (LFL):** Not determined

**Method Used:** Not applicable

**Flash Point:** Not Established

**Flammability Classification:** Not Flammable

**Auto Ignition:** Not determined

**Hazardous Combustion Products**

None identified.

**Extinguishing Media**

Water spray, dry chemical, carbon dioxide, foam.

**Fire Fighting Equipment/Instructions**

Firefighters should wear full-face, self contained breathing apparatus and impervious protective clothing.

**NFPA Ratings: Health: 1 Fire: 0 Reactivity: 0**

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

### \*\*\* Section 6 - Accidental Release Measures \*\*\*

**Containment Procedures**

Absorb spill with inert material.

**Clean-Up Procedures**

Absorb spill with inert material. Shovel material into appropriate container for disposal.

**Evacuation Procedures**

None.

**Special Procedures**

None.

### \*\*\* Section 7 - Handling and Storage \*\*\*

**Handling Procedures**

Keep out of reach of children.

## Material Safety Data Sheet

Product Name: Stoko Refresh Moisturizing Foam Hand Cleaner

MSDS ID: SK-145D

### Storage Procedures

No special storage conditions required.

### \*\*\* Section 8 - Exposure Controls / Personal Protection \*\*\*

#### Exposure Guidelines

##### A: General Product Information

FDA regulated. For OSHA workplace hazards, investigate and read and understand component MSDS's before manufacturing.

##### B: Component Exposure Limits

No information is available.

##### Engineering Controls

None necessary.

#### PERSONAL PROTECTIVE EQUIPMENT

##### Personal Protective Equipment: Eyes/Face

Avoid eye contact.

##### Personal Protective Equipment: Skin

None.

##### Personal Protective Equipment: Respiratory

None.

##### Personal Protective Equipment: General

Obey reasonable safety precautions and practice good housekeeping.

### \*\*\* Section 9 - Physical & Chemical Properties \*\*\*

**Appearance:** Blue  
**Physical State:** Liquid  
**Vapor Pressure:** Not Established  
**Boiling Point:** approx. 100° C  
**Solubility (H2O):** Very soluble

**Odor:** Perfume  
**pH:** 4.5 - 6.5  
**Vapor Density:** Not Established  
**Melting Point:** approx 0 °C  
**Specific Gravity:** 1.009 – 1.019 g/cc<sup>3</sup>  
**Flash Point:** Not Determined

### \*\*\* Section 10 - Chemical Stability & Reactivity Information \*\*\*

#### Chemical Stability

Stable under usual application conditions.

#### Chemical Stability: Conditions to Avoid

None

#### Incompatibility

None identified.

#### Hazardous Decomposition

None identified.

#### Hazardous Polymerization

Hazardous polymerization will not occur.



# Material Safety Data Sheet

Product Name: Stoko Refresh Moisturizing Foam Hand Cleaner

MSDS ID: SK-145D

## \*\*\* Section 11 - Toxicological Information \*\*\*

### Acute and Chronic Toxicity

#### A: General Product Information

Minor eye irritation.

#### B: Acute Toxicity-LD50/LC50

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivatives, inner salts (61789-40-0)

LD50: Oral LD50 Rat: 4900 mg/kg

### Carcinogenicity

#### Component Carcinogenicity

No information is available.

#### Other Toxicological Information

None.

## \*\*\* Section 12 - Ecological Information \*\*\*

### Ecotoxicity

#### A: General Product Information

Ecological impacts are not expected with normal use.

#### B: Component Analysis - Ecotoxicity - Aquatic Toxicity

No information available.

#### Environmental Fate

No information available.

## \*\*\* Section 13 - Disposal Considerations \*\*\*

### US EPA Waste Number & Descriptions

#### A: General Product Information

Unadulterated material may be disposed as a non hazardous waste.

#### B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

#### Disposal Instructions

Dispose of empty containers according to all State and Federal environmental regulations.

## \*\*\* Section 14 - Transportation Information \*\*\*

### International Transportation Regulations

Not transportation regulated: Non-hazardous material.

## \*\*\* Section 15 - Regulatory Information \*\*\*

### US Federal Regulations

#### A: General Product Information

Not subject to TSCA regulation.

#### B: Clean Air Act

No information is available.

#### C: Component Analysis

No information is available.

# Material Safety Data Sheet

Product Name: Stoko Refresh Moisturizing Foam Hand Cleaner

MSDS ID: SK-145D

## State Regulations

### A: General Product Information

None identified.

### B: Component Analysis - State

None of this product's components listed in Section 2 are on the state lists from CA, FL, MA, MN, NJ, or PA.

### Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

### Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Poly(oxy-1,2-ethanediyl), $\alpha$ -sulfo- $\omega$ -hydroxy-, C12-14-alkyl ethers, sodium salts	68891-38-3	Yes	DSL	No
Glycerides, palm-oil mono- and di-, hydrogenated, ethoxylated	67784-88-7	Yes	NDSL	No
Glycerides, coco mono- and di-, ethoxylated	68201-46-7	Yes	DSL	No
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivatives, inner salts	61789-40-0	Yes	DSL	EINECS

## \*\*\* Section 16 - Other Information \*\*\*

### Other Information

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.

### MSDS History

This is a revised MSDS. Section's 2 & 3 have been revised to reflect proposed 2004 ANSI Standards format recommendations for 2007 implementation.

1-26-09 Reviewed with no changes.

**Contact:** Product Compliance Officer

**Contact Phone:** (800) 242-2271

This is the end of MSDS #: SK-145D

degussa.

H & H Chemical Company  
PO Box 7369  
Lake Charles, LA 70605

**Material Safety Data Sheet**  
STOKO Refresh Moisturizing Foam Soap

MSDS ID: SK-145B  
Formerly: SK-145A

\*\*\* Section 1 - Chemical Product and Company Identification \*\*\*

Chemical Name: STOKO Refresh Moisturizing Foam Soap

Product Use: Skin Cleansing

Distributor/Contact Information

H & H Chemical Company  
PO Box 7369  
Lake Charles, LA 70606

Phone:

Emergency # Emergency #

General Comments

Emergency telephone numbers are to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving the product. All non-emergency questions should be directed to the toll free customer service number.

\*\*\* Section 2 - Composition / Information on Ingredients \*\*\*

CAS #	Component	
68891-38-3	Sodium Laureth Sulfate	
61789-40-0	Cocamidopropyl Betaine	
67784-88-7	PEG-200 Hydrogenated Glyceryl Palmate	
68201-46-7	Peg-7 Glyceryl Cocoate	

Component Information/Information on Non-Hazardous Components

The manufacturer lists no ingredients as hazardous according to OSHA 29 CFR 1910.1200. As a FDA regulated product, the ingredients are listed on each package and are not subject to US TSCA chemical registration regulations.

\*\*\* Section 3 - Hazards Identification \*\*\*

Emergency Overview

No health hazard is anticipated during normal handling and use.

Potential Health Effects: Eyes

Will cause minor eye irritation.

Potential Health Effects: Skin

None.

Potential Health Effects: Ingestion

Harmful if swallowed.

Potential Health Effects: Inhalation

None.

HMIS Ratings: Health: 1 Fire: 0 Reactivity: 0 Pers. Prot.: None Applicable

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard

**Material Safety Data Sheet**  
**STOKO Refresh Moisturizing Foam Soap**

MSDS ID: SK-145B  
Formerly: SK-145A

\*\*\* **Section 8 - Exposure Controls / Personal Protection** \*\*\*

**Exposure Guidelines**

**A: General Product Information**

OSHA exempt: FDA regulated.

**B: Component Exposure Limits**

No information is available.

**Engineering Controls**

None necessary.

**PERSONAL PROTECTIVE EQUIPMENT**

**Personal Protective Equipment: Eyes/Face**

Avoid eye contact.

**Personal Protective Equipment: Skin**

None.

**Personal Protective Equipment: Respiratory**

None.

**Personal Protective Equipment: General**

Obey reasonable safety precautions and practice good housekeeping.

\*\*\* **Section 9 - Physical & Chemical Properties** \*\*\*

**Appearance:** Blue  
**Physical State:** Liquid  
**Vapor Pressure:** Not Applicable  
**Boiling Point:** ~100° C  
**Solubility (H2O):** Soluble  
**Bulk Density:** 1.03 kg/l

**Odor:** Perfume  
**pH:** 5.5 - 6.5  
**Vapor Density:** Not Applicable  
**Melting Point:** ~ 0 °C  
**Specific Gravity:** Not Applicable

\*\*\* **Section 10 - Chemical Stability & Reactivity Information** \*\*\*

**Chemical Stability**

Stable under usual application conditions.

**Chemical Stability: Conditions to Avoid**

None

**Incompatibility**

None identified.

**Hazardous Decomposition**

None identified.

**Hazardous Polymerization**

Hazardous polymerization will not occur.

\*\*\* **Section 11 - Toxicological Information** \*\*\*

**Acute and Chronic Toxicity**

**A: General Product Information**

Minor eye irritation.

**B: Acute Toxicity-LD50/LC50**

No LD50/LC50's are available for this product's components.



**90500491**

**EZ FOAM**

**Luxury Foaming Hand  
Soap**

## SAFETY DATA SHEET

### FOAMING LUXURY HAND SOAP

#### SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Product Name : FOAMING LUXURY HAND SOAP

Product Codes : 69009, 69024, 69041, 69050, 69078, 64431

Recommended use : General purpose hand soap

Product dilution information : Product is sold ready to use.

Company : Kutol Products Company  
100 Partnership Way  
Sharonville, Ohio 45241-1571  
1-800-543-4641

Chemtrec Phone : 1-800-424-9300

Issuing date : 1/23/2015

#### SECTION 2 – HAZARD(S) IDENTIFICATION

GHS Classification : Category 2B  
Eye irritation

GHS Label Element :  
Hazards pictograms



Signal Word : Warning

Hazard Statements : **Response:**  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Other Hazards : None known.

#### SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Pure substance/mixture : Mixture

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Concentration (%)</u>
AMMONIUM LAURYL SULFATE- 30 %	68585-34-2	0 - 5
SODIUM LAURETH SULFATE- 60 %	9004-82-4	0 - 5
POLYQUATERNIUM-7	Mixture	0 - 5
DISODIUM COCAMIDO MIPA-SULFOSUCCINATE	68140-00-1	0 - 5
DMDM HYDANTOIN	6440-58-0	0 - 5
GLYCERIN	56-81-5	0 - 5

**SAFETY DATA SHEET****FOAMING LUXURY HAND SOAP****SECTION 4 – FIRST AID MEASURES**

- |                            |   |   |
|----------------------------|---|---|
| In case of eye contact     | : | Flush eyes under eyelids with plenty of cool water for at least 15 minutes. If irritation persists, seek medical/advice attention.      |
| In case of skin contact    | : | If irritation persists, wash with water.  |
| If ingested                | : | Contact a physician or Poison Control Center immediately. Do not induce vomiting never give anything by mouth to an unconscious person. |
| If inhaled                 | : | Get medical attention if symptoms occur.  |
| Protection of first-aiders | : | No special precautions are necessary.   |
| Notes to physicians        | : | Treat symptomatically.  |

**SECTION 5 – FIRE-FIGHTING MEASURES**

- |  |   |   |
|--|---|---|
| Suitable extinguishing media                   | : | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.   |
| Unsuitable extinguishing media                 | : | None known.   |
| Specific hazards during firefighting           | : | No flammable or combustible.  |
| Hazardous combustions products                 | : | Carbon oxides   |
| Special protective equipment for fire-fighters | : | Use personal protective equipment.  |
| Specific extinguishing methods                 | : | Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes. |

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

- |                           |   |  |
|---------------------------|---|--|
| Personal precautions      | : | No special measures required.  |
| Environmental precautions | : | Avoid contact of large amounts of spilled material runoff with soil and surface waterways. |
| Methods of cleaning up    | : | Absorb with inert material. Use a water rinse for final clean-up.                          |

**SECTION 7 – HANDLING AND STORAGE**

- |          |   |   |
|----------|---|---|
| Handling | : | Wash hands after handling.  |
| Storage  | : | Keep out of reach of children. Keep container tightly closed.<br>Store between 32 to 122 degrees F. |

**SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION**

- |                      |   |  |
|----------------------|---|--|
| Engineering measures | : | Good general ventilation should be sufficient to control workers exposure to airborne contamination. |
| Personal protection  | : |  |
| Eyes                 | : | Eye protection should be used when splashing may occur.  |
| Hands                | : | No protective equipment is needed under normal use.  |
| Skin                 | : | No protective equipment is needed under normal use.  |
| Respiratory          | : | No protective equipment is needed under normal use.  |

## SAFETY DATA SHEET

### FOAMING LUXURY HAND SOAP

#### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Water, thin medium red liquid	Upper/lower flammability limits: N/A
Odor: Fruity, floral fragrance	Vapor pressure: N/A
Odor Threshold: No data available	Vapor density: N/A
pH: 6.5 typical	Relative density: No data available.
Melting point/freezing point: N/A	Solubility (ies): No data available.
Initial boiling and boiling range: N/A	Partition coefficient: n-octanol/water: No data available.
Flash point: N/A	Auto ignition temperature: N/A
Evaporation rate: <1	Decomposition temperature: No data available.
Flammability (solid, gas): No data available	Viscosity: N/A

#### SECTION 10 – STABILITY AND REACTIVITY

Stability	: The product is stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reaction is known under conditions of normal use.
Conditions to avoid	: None known.
Incompatible materials	: None known.
Hazardous decomposition products	: Carbon oxides

#### SECTION 11 – TOXICOLOGICAL INFORMATION

Information on likely routines of exposure	: Inhalation, eye contact, skin contact.
--	--

##### Potential Health Effects

Eyes	: Cause of irritation.
Skin	: Health injuries are not known or expected under normal use.
Ingestion	: Health injuries are not known or expected under normal use.
Inhalation	: Health injuries are not known or expected under normal use.
Chronic exposure	: Health injuries are not known or expected under normal use.

##### Experience with Human Exposure

Eye contact	: Redness, irritation.
Skin contact	: No symptoms known or expected.
Ingestion	: No symptoms known or expected.
Inhalation	: No symptoms known or expected.

##### Toxicity

Acute oral toxicity	: Acute toxicity estimate: >5,000 mg/kg
Acute inhalation toxicity	: No data available
Acute dermal toxicity	: Acute toxicity estimate: >5,000 mg/kg
Skin corrosion/irritation	: No data available
Serious eye damage/eye irritation	: Mild eye irritation.
Respiratory or skin sensitization	: No data available.



**SAFETY DATA SHEET****FOAMING LUXURY HAND SOAP****Carcinogenicity**

- IARC : No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible or confirmed human carcinogen by IARC.
- OSHA : No ingredient of this product presents at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
- NTP : No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**SECTION 12 – ECOLOGICAL INFORMATION**

- Ecological Tests : Data is not available.
- Environmental Impact : The product ingredients are expected to be safe for the environment at the concentrations predicted under normal use and accidental spill scenarios. Packaging components are compatible with the conventional solid waste management practices.

**SECTION 13 – DISPOSAL CONSIDERATIONS**

- Disposal methods : The product should not be allowed to enter drains, water courses or the soil. When possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.
- Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse empty containers.

**SECTION 14 – TRANSPORT INFORMATION**

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes. The shipper / consignor / sender are responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Shipment	Identification Number	Proper Shipping Name	Hazardous Classification	Packaging Group
US DOT	Not dangerous goods	N/A	N/A	None
IATA (Air)	Not dangerous goods	N/A	N/A	None
IMDG (Vessel)	Not dangerous goods	N/A	N/A	None

**SAFETY DATA SHEET****FOAMING LUXURY HAND SOAP****SECTION 15 – REGULATORY INFORMATION**U.S. Federal regulations

**TSCA (Toxic Substances Control Act):** : All ingredients in this product are either listed, or exempt from listing, on the TSCA Inventory.

**CERCLA (Comprehensive Response Compensation, and Liability Act)** : Not Determined

**SARA Title III (Superfund Amendments and Reauthorization Act)** : None

**SARA 313 Reportable Ingredients** : None.

**SECTION 16 - OTHER INFORMATION****NFPA 704:****HMIS III:**

<b>HEALTH</b>	<b>1</b>
<b>FLAMMABILITY</b>	<b>0</b>
<b>PHYSICAL HAZARDS</b>	<b>0</b>

Issuing date : 1/23/2015

Version : 1.0

Prepared by : Regulatory Compliance

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in conjunction with any other materials or in any process, unless specified in the text.

**90500480**

**HI-TECH**

**Soft Pink Liquid  
Anti-Bacterial/Anti-  
Septic Hand Soap**



# MATERIAL SAFETY DATA SHEET

ECONOMICAL JANITORIAL & PAPER SUPPLIES, INC.  
1420-F SAMS AVE. HARAHAN, LA 70123 (504) 464-7166

DATE: FEBRUARY 27, 2013

EMERGENCY  
PHONE NUMBER  
(800) -- 535-5053 INFOTRAC



**SECTION: I** TRADE NAME : SOFT PINK ANTIBACTERIAL  
IDENTIFICATION CHEMICAL FAMILY : CLEANING COMPOUND  
OF PRODUCT PRODUCT NUMBER : 5843  
SHIPPING DESCRIPTION: CLEANING COMPOUND, NOS

**SECTION: II - HAZARDOUS INGREDIENTS**  
HAZARDOUS COMPONENTS OSHA PEL ACGIH TLV CAS #

TRICHLORSAN

3380-34-5

## SECTION 313 - SUPPLIER NOTIFICATION:

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372:  
\*\*\*CAS #\*\*\*  
CHEMICAL NAME  
% By Wt..

NONE

THIS INFORMATION MUST BE INCLUDED IN ALL MSDS THAT ARE COPIED AND DISTRIBUTED FOR THIS MATERIAL.

## SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS:

BOILING POINT = >212 DEGREES F  
SPECIFIC GRAVITY (H2O=1) = 1.04  
SOLUBILITY IN WATER = COMPLETE  
APPEARANCE = Clear Pink  
ODOR = ALMOND  
VAPOR PRESSURE (mmHg) = N/A  
VAPOR DENSITY (Air=1) = N/A  
EVAPORATION RATE (Butyl Ac=1) = N/A  
POUNDS PER GALLON = 8.67

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT = NONE  
EXTINGUISHING MEDIA = AS REQUIRED BY SURROUNDING FIRE  
SPECIAL FIRE FIGHTING = WEAR SELF-CONTAINED FULL-FACE  
PROCEDURES = BREATHING APPARATUS  
UNUSUAL HAZARDS = NONE KNOWN

## SECTION V - REACTIVITY DATA:

STABILITY = STABLE  
CONDITIONS TO AVOID = EXTREME TEMPERATURES  
POLYMERIZATION = WILL NOT OCCUR  
CONDITIONS TO AVOID = NONE  
INCOMPATIBLE MATERIALS = STRONG ACIDS AND OXIDIZERS  
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS = CO, CO2,

## SECTION VI - HEALTH HAZARDS DATA:

THRESHOLD LIMIT VALUE = NOT ESTABLISHED

CARCINOGENICITY =

NTP = NO

IARC MONOGRAPHS = NO

OSHA REGULATED = NO

HEALTH HAZARDS ACUTE/CHRONIC = EYES: MAY CAUSE REDNESS AND IRRITATION TO EYES, NAUSEA, VOMITING AND DIARRHEA MAY OCCUR UPON INGESTION.

EMERGENCY FIRST AID PROCEDURES =

INHALATION = MOVE TO FRESH AIR. CONSULT PHYSICIAN IF SYMPTOMS PERSIST.

INGESTION = GIVE LARGE QUANTITIES OF WATER THEN SEVERAL GLASSES OF MILK.

INDUCE VOMITING. GET MEDICAL ATTENTION IMMEDIATELY.

EYE CONTACT = FLUSH EYES IMMEDIATELY WITH LARGE QUANTITIES OF WATER FOR 15 MINUTES, LIFTING EYELIDS OCCASIONALLY.

GET MEDICAL ATTENTION.

SKIN CONTACT = REMOVE CONTAMINATED CLOTHING

RINSE SKIN THOROUGHLY WITH WATER..

## SECTION VII - PRECAUTIONS FOR SAFE HANDLING:

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

LARGE SPILLS: CONTAIN SPILL AND PUMP TO RECOVER

SMALL SPILLS:

SPILL CAN BE MOPPED UP, THEN FLUSH CONTAMINATED AREA WITH PLENTY OF WATER.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

PRECAUTIONS TO TAKE IN HANDLING & STORAGE: STORE IN COOL, DRY PLACE

KEEP CONTAINER CLOSED WHEN NOT IN USE.  
OTHER PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN.

## SECTION VIII - CONTROL MEASURES:

RESPIRATORY PROTECTION = NONE REQUIRED

VENTILATION = USE ADEQUATE VENTILATION

PROTECTIVE GLOVES = NONE REQUIRED

EYE PROTECTION = RECOMMENDED

OTHER PROTECTIVE MEASURES = RINSE HANDS THOROUGHLY AFTER USE.

## DISTRIBUTED:

TRANS GULF INDUSTRIES, INC.  
6101 HUMPHREYS STREET  
PO BOX 23809  
HARAHAN, LA 70183

## EMERGENCY PHONE #

DAY M-F (504) - 733-7865  
NIGHT (800) - 535-5053

This information is drawn from recognized sources believed to be reliable. TRANS GULF INDUSTRIES INC. makes no guarantees or assumes any liability in connection with this information. The user should be aware of changing technology, research, regulations and analytical procedures that may require changes herein. The above data is supplied upon the condition that customers will evaluate this information and then determine its suitability for their use. Only USA Regulations apply to the above.



**90500600**

**SPIC AND SPAN**  
**Powder Cleaner**

## 1. IDENTIFICATION

Product Name	Spic and Span® All-Purpose Cleaner - Powder Concentrate
Product Code(s)	4-50
Product ID:	15153796_PROF_NG
Product Type:	Finished Product - Professional Use Only
Recommended Use	Floor Care
Restrictions on Use	Use only as directed on label.
Manufacturer	Procter & Gamble Professional 2 P&G Plaza Cincinnati, Ohio 45202  Procter & Gamble Inc. P.O. Box 355, Station A Toronto, ON M5W 1C5  1-800-332-7787
E-mail Address	pgsds.im@pg.com
Emergency Telephone	Transportation (24 HR) CHEMTREC - 1-800-424-9300 (U.S./ Canada) or 1-703-527-3887 Mexico toll free in country: 800-681-9531

## 2. HAZARD IDENTIFICATION

This product is classified under 29CFR 1910.1200(d) and the Canadian Hazardous Products Regulation as follows:.

Hazard Category

Eye Damage / Irritation	Category 2B
-------------------------	-------------

Signal Word	WARNING
-------------	---------

Hazard Statements	Causes eye irritation
-------------------	-----------------------

Hazard pictograms	None
-------------------	------

Precautionary Statements - Prevention	Wash hands thoroughly after handling
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Precautionary Statements - Response	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention IF SWALLOWED: Drink 1 or 2 glasses of water
-------------------------------------	---

Precautionary Statements - Storage None

Precautionary Statements - Disposal None

Hazards not otherwise classified (HNOC) None

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients are listed according to 29CFR 1910.1200 Appendix D and the Canadian Hazardous Products Regulation

Chemical Name	Synonyms	Trade Secret	CAS-No	Weight %
Sodium carbonate	-	No	497-19-8	15 - 20
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	-	No	68081-81-2	10 - 15
Silicic acid, sodium salt	-	No	1344-09-8	1 - 5

### 4. FIRST AID MEASURES

#### First aid measures for different exposure routes

**Eye contact** Rinse with plenty of water. Get medical attention immediately if irritation persists.

**Skin contact** Rinse with plenty of water. Get medical attention if irritation develops and persists.

**Ingestion** Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately if symptoms occur.

**Inhalation** Move to fresh air. If symptoms persist, call a physician.

**Most important symptoms/effects, acute and delayed** None under normal use conditions.

#### Indication of immediate medical attention and special treatment needed, if necessary

**Notes to Physician** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media** Dry chemical, CO<sub>2</sub>, alcohol-resistant foam or water spray.

**Unsuitable Extinguishing Media** None.

**Special hazard** None known.

**Special protective equipment for fire-fighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Specific hazards arising from the chemical** None.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Use personal protective equipment. Do not get in eyes, on skin, or on clothing.

**Advice for emergency responders** Use personal protective equipment as required.

### Methods and materials for containment and cleaning up

**Methods for containment** Prevent dust cloud. Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Sweep up and shovel into suitable containers for disposal. Dispose of in accordance with local regulations.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Use personal protective equipment as required. Keep container closed when not in use. Never return spills in original containers for re-use. Keep out of the reach of children.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible products** None known.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

**Exposure Guidelines** No exposure limits noted for ingredient(s).

### Exposure controls

**Engineering Measures** **Distribution, Workplace and Household Settings:**  
Ensure adequate ventilation

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction

### Personal Protective Equipment

**Eye Protection** **Distribution, Workplace and Household Settings:**  
No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Use appropriate eye protection

**Hand Protection** **Distribution, Workplace and Household Settings:**  
No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Protective gloves

**Skin and Body Protection** **Distribution, Workplace and Household Settings:**



No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Wear suitable protective clothing

**Respiratory Protection**

**Distribution, Workplace and Household Settings:**  
No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
In case of insufficient ventilation wear suitable respiratory equipment

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State @20°C**

solid

**Appearance**

light green

**Odor**

Scented

**Odor threshold**

No information available

Property

Values

Note

pH value

10.0 - 11.5

(as 1% solution)

**Melting/freezing point**

No information available

**Boiling point/boiling range**

No information available

**Flash point**

No information available

**Evaporation rate**

No information available

**Flammability (solid, gas)**

No information available

**Flammability Limits in Air**

Upper flammability limit

No information available

Lower Flammability Limit

No information available

**Vapor pressure**

No information available

**Vapor density**

No information available

**Relative density**

0.44

**Water solubility**

100%

**Solubility in other solvents**

No information available

**Partition coefficient: n-octanol/water**

No information available

**Autoignition temperature**

No information available

**Decomposition temperature**

No information available

**Viscosity of Product**

No information available

**VOC Content (%)**

Products comply with US state and federal regulations for VOC content in consumer products.

## 10. STABILITY AND REACTIVITY

**Reactivity**

None under normal use conditions.

**Stability**

Stable under normal conditions.

**Hazardous polymerization**

Hazardous polymerization does not occur.

**Hazardous Reactions**

None under normal processing.

**Conditions to Avoid**

None under normal processing.

**Materials to avoid**

None in particular.

**Hazardous Decomposition Products** None under normal use.

## 11. TOXICOLOGICAL INFORMATION

Product Information

### Information on likely routes of exposure

Inhalation	No known effect.
Skin contact	No known effect.
Ingestion	No known effect.
Eye contact	Irritating to eyes.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Acute toxicity	No known effect.
Skin corrosion/irritation	No known effect.
Serious eye damage/eye irritation	Irritating to eyes.
Skin sensitization	No known effect.
Respiratory sensitization	No known effect.
Germ cell mutagenicity	No known effect.
Neurological Effects	No known effect.
Reproductive toxicity	No known effect.
Developmental toxicity	No known effect.
Teratogenicity	No known effect.
STOT - single exposure	No known effect.
STOT - repeated exposure	No known effect.
Target Organ Effects	No known effect.
Aspiration hazard	No known effect.
Carcinogenicity	No known effect.

### Component Information

Chemical Name	CAS-No	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium carbonate	497-19-8	2800 mg/kg bw (Guideline not indicated; rat)	> 2000 mg/kg bw (EPA 16 CFR 1500.40; rabbit)	-
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	68081-81-2	1090.00 mg/kg (rat)	-	-
Silicic acid, sodium salt	1344-09-8	3400 mg/kg bw (Similar to OECD 401; standard acute method; rat)	> 5000 mg/kg bw (Read across data on AgSil TM 25 Potassium silicate solution; rat)	> 2.06 mg/L air (Read across data AgSil TM 25 Potassium silicate solution; EPA OPPTS 870.1300; standard acute method; rat)

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

The product is not expected to be hazardous to the environment.

Persistence and degradability	No information available.
Bioaccumulative potential	No information available.
Mobility	No information available.
Other adverse effects	No information available.

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment

Waste from Residues / Unused Products	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations.

California Hazardous Waste Codes 331  
(non-household setting)

#### 14. TRANSPORT INFORMATION

DOT Not regulated

IMDG Not regulated

IATA Not regulated

#### 15. REGULATORY INFORMATION

##### U.S. Federal Regulations

##### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

##### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

##### **Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

##### **Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

##### **California Proposition 65**

This product is not subject to warning labeling under California Proposition 65.

##### **U.S. State Regulations (RTK)**

Chemical Name	CAS-No	Massachusetts
Sulfuric acid sodium salt (1:2)	7757-82-6	X

Chemical Name	CAS-No	Pennsylvania
Sulfuric acid sodium salt (1:2)	7757-82-6	X

##### International Inventories

##### **United States**

All intentionally-added components of this product(s) are listed on the US TSCA Inventory.

##### **Canada**

This product is in compliance with CEPA for import by P&G.

**Legend**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

CEPA - Canadian Environmental Protection Act

## 16. OTHER INFORMATION

**HMIS Ratings**

Health hazard	2
Flammability	1
Physical hazard	0

**NFPA Ratings**

Health hazard	2
Flammability	1
Instability	0

**Issuing Date:** 15-Jan-2015

**Revision Date:** 07-Apr-2015

**Disclaimer**

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End of SDS



**90700440**

**HI-TECH**

**Wasp & Hornet Spray**

**MATERIAL SAFETY DATA SHEET**  
**MSDS**

MSDS005 005 0

ITEM NUMBER: CMC-005

IDENTITY (As Used On Label and List): Hi-Tech Wasp &amp; Hornet Spray

**EMERGENCY MEDICAL** Telephone# 1-800-535-5053 (24 Hrs)

Outside of the U.S.A. Call Collect 1-352-323-3500

PRODUCT HAZARD RATINGS (HMIS): Health = 1\*, Fire = 4, Reactivity = 0, Protective Equipment = B

(Rating Legend: 4 = Extreme, 3 = Serious, 2 = Moderate, 1 = Slight, 0 = Minimal)

**SECTION I**Economical Janitorial & Paper Supplies, Inc.  
755-C East Airline Drive  
Kenner, LA 70062

TELEPHONE NUMBER FOR INFORMATION: 1-504-464-7166

DATE PRINTED: 12/29/03

NAME OF PREPARER: Mike York

**SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION**

Chemical Names	CAS#	SARA Title III SEC 313	ACGIH TLV/TWA	OSHA PEL	% By Wt.
Mineral spirits	64742-48-9	No	177 ppm*	177 ppm*	90-100
Carbon dioxide	124-38-9	No	5000 ppm	10,000 ppm	1-5

\* Exxon Mobil recommendation

Balance of ingredients are non-hazardous or below reportable levels.

**SECTION III - PHYSICAL CHARACTERISTICS**

Boiling Point: NA	Vapor Pressure (psig): 92 @ 130F	Specific Gravity (H2O=1): <1
Solubility/Water: Negligible	Vapor Density (AIR=1): ND	Evaporation Rate (Ether=1): <1
Appearance and Odor: Aerosol spray with characteristic odor.		

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

Aerosol Flammability: Product is to be labeled as flammable as described in 16 CFR 1500.3 and 1500.45.

Flashpoint: None (Propellant): &gt;120F (Concentrate)

Flammable Limits - % Volume In Air (Propellant): LEL: NA UEL: NA

Extinguishing Media: Carbon dioxide, water spray, foam, or dry chemical.

Special Fire Fighting Procedures: Containers should be cooled with water to prevent vapor pressure build up. Use equipment or shielding, as required, to protect personnel from bursting, rupturing or venting containers.

Unusual Fire and Explosion Hazards: Fire fighters and others who may be exposed to the products of combustion should be equipped with NIOSH-approved positive pressure self-contained breathing apparatus (SCBA) and full protection clothing. At elevated temperatures (over 54C-130F) containers exposed to direct flame or heat contact should be cooled with water to prevent weakening of container structure.

**SECTION V - REACTIVITY DATA**

Stability: Stable Hazardous Polymerization: NA

Incompatibility (Materials to Avoid): Strong oxidizers.

Hazardous Decomposition Products: None.

Conditions to Avoid: Keep away from heat, sparks, and flames. Dropping of containers may cause bursting.

**SECTION VI - HEALTH HAZARD DATA**

Route(s) of Entry: Inhalation: X Eyes: X Skin: X Ingestion:

HAZARDS IDENTIFICATION: EYES: May cause mild irritation. SKIN: Prolonged or repeated contact may cause irritation.

INHALATION: Prolonged exposure can be irritating to eyes, nose and respiratory tract. Can cause dizziness, headaches and incoordination. INGESTION: Not hazardous in normal industrial use. Possible aspiration hazard. May cause inflammation of the lungs.

CHRONIC EFFECTS/TARGET ORGANS: Nervous system.

EMERGENCY AND FIRST AID PROCEDURES: EYES: Immediately flush with plenty of water for at least 15 minutes. Get medical attention if irritation persists. SKIN: Wash with soap and plenty of water. INHALATION: Remove to fresh air. If symptoms develop, seek immediate medical attention. If not breathing, give artificial respiration. INGESTION: Call physician immediately. Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person.

CARCINOGENICITY:

No regulated ingredients.

## TOXICITY INFORMATION:

No data available.

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**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

---

Releases or Spills: Remove all sources of ignition and ventilate area. Soak up spill with an inert absorbent and place into a designated disposal container. Consult local regulatory agency for proper disposition of material.

Waste Disposal Method: Do not puncture or incinerate containers. When contents are depleted continue to depress button until all gas is expelled. Dispose of container in accordance with local, state, and federal regulations.

Handling And Storing: Avoid breathing vapor. Keep away from heat, sparks and flame. Use with adequate ventilation. Do not puncture or incinerate containers. Do not expose to direct sunlight or store at temperatures above 120F (48.9C). Store as Level 3 Aerosol (NFPA 30B).

Other Precautions: Please read and follow the directions on the product label; they are your best guide to using this product in the most effective way, and give the necessary safety precautions to protect your health.

---

**SECTION VIII - EMPLOYEE PROTECTION**

---

Respiratory Protection (Type): None required if good ventilation is maintained. If exposure exceeds occupational exposure limits (Sec. II), use a NIOSH approved respirator to prevent overexposure.

Ventilation: General ventilation is adequate under normal conditions, mechanical ventilation is optional.

Protective Gloves: Chemical resistant gloves are recommended - consult glove manufacturer to determine the proper type for a specific operation.

Eye Protection: Safety glasses are recommended.

Other Protective Clothing or Equipment: Wear impervious clothing to prevent skin contact.

Work/Hygienic Practices: Ensure strict sanitary conditions are conformed to when working around chemicals.

Protective clothing and equipment should be in accordance with 29 CFR 1910.132 and CFR 1910.133.

---

**SECTION IX - OTHER REGULATORY CONTROLS**

---

**FEDERAL:**

Toxic Substance Control Act (TSCA): Ingredients of this product are listed on the EPA/TSCA Inventory of Chemical Substances.

---

**SECTION X - TRANSPORTATION REQUIREMENTS (D.O.T. CLASSIFICATION)**

---

Shipping Name: Consumer Commodity Hazard Class: ORM-D

NG-- Negligible NA-- Not Applicable NE-- Not Established UN-- Unavailable ND-- Not Determined

While the information set forth herein is believed to be accurate as of the date hereof, the Company makes no warranty or guarantee, express or implied, and disclaims all liability arising out of the use of this information.





# Spartan Chemical Company, Inc.

## Material Safety Data Sheet

### SECTION I: PRODUCT INFORMATION

Product Name or Number (as it appears on label):

**WASP & HORNET KILLER III (AEROSOL)**

Product Number: 6820

Product Division:

**Janitorial**

**Spartan Chemical Company, Inc.**  
**1110 Spartan Drive**  
**Maumee OH 43537**

Product/Technical Information: **1-(800)-537-8990**

Medical Emergency: **1-(888)-314-6171 (24 hours)**

Chemical Leak/Spill Emergency: **CHEMTREC 1-(800) 424-9300 (24 hours)**

Shipping Description: ORM-D, Consumer commodity, insecticides, aerosol, n.o.s.

NFPA Ratings:	HMIS Ratings:
<b>Health:</b> 1- Slight <b>Fire:</b> 0 - Minimal <b>Reactivity:</b> 0 - Minimal	<b>Health:</b> 1- Slight <b>Fire:</b> 0 - Minimal <b>Reactivity:</b> 0 - Minimal <b>Pers. Prot. Equip.:</b> See Section VIII

### SECTION II: HAZARDOUS INGREDIENTS

(Listed when present at 1% or greater, carcinogens at 0.1% or greater) All component chemicals are listed or exempted from listing on the "TSCA Inventory" of chemical substances maintained by the U.S. Environmental Protection Agency.

Chemical Name(s)	%Wt	CAS Registry No.	Table Z-1-A			NTP, IARC or OSHA Carcinogen
			TWA mg/m <sup>3</sup>	STEL mg/m <sup>3</sup>	CEILING mg/m <sup>3</sup>	
Butyl propasol	5-10	5131-66-8	Not Established	Not Established	Not Established	No
Propane	1-5	74-98-6	1800	Not Established	Not Established	No
Heptane	1-5	142-82-5	350 (NIOSH)	Not Established	1800 (NIOSH)	No
Tralomethrin	< 1.0	66841-25-6	2000 (Skin)	Not Established	Not Established	No
d-trans Allethrin	< 1.0	584-79-2	Not Established	Not Established	Not Established	No

### SECTION III: PHYSICAL DATA

Boiling Point: N/A	Vapor Pressure: Not Established
Vapor Density (AIR = 1): >1	Solubility in Water: Greater than 87%
pH: 7.0-7.5	Specific Gravity (H <sub>2</sub> O=1): 0.97
Evaporation Rate (but.ace.=1): <1	Percent Solid by Weight: Trace
Physical State: Pressurized liquid	
Appearance & Odor: Foam spray with glycol ether odor.	

### SECTION IV: FIRE & EXPLOSIVE HAZARD DATA

Flash Point: [Concentrate] 75 °F	Method Used: ASTM-D56
Flammable Limits: N/A	Flame Extension: 0 inches NFPA 30 B Storage Level 1 Aerosol



Extinguishing Media: Water fog, carbon dioxide, dry chemical

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Special Fire Fighting Procedures: Water may be used to cool closed containers to prevent pressure build-up and possible rupture, venting or bursting of containers. Use equipment or shielding required to protect personnel against bursting, rupturing or venting containers.

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Unusual Fire & Explosive Hazards: At elevated temperatures (54°C/130°F) containers may vent, rupture or burst.

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## SECTION V: HEALTH HAZARD DATA

Threshold Limit Value: Not Established	Primary Routes of Entry: Inhalation, Skin Contact, Eyes and Oral.
Effects of Overexposure- Conditions to Avoid:	<b>Causes moderate eye irritation. May cause skin irritation. May be harmful if swallowed. Inhalation may cause respiratory irritation.</b> Avoid contact with eyes, skin or clothing. Avoid breathing vapor or mist. Do not swallow. Wash thoroughly with soap and water after handling.
Conditions Aggravated by Use:	Use of this product may aggravate preexisting skin; eye and respiratory disorders including asthma and dermatitis.
<b>Emergency &amp; First Aid Procedures:</b>	
Eyes:	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses; If present after the first 5 minutes; then continue rinsing eye. Call a poison control center or doctor for treatment advice.
Skin:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
Ingestion:	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.
Inhalation:	Move person to fresh air. Get medical attention if irritation persists.

## SECTION VI: REACTIVITY DATA

Stability: Stable	Incompatible Materials: NA
Hazardous Decomposition Products: Carbon dioxide, carbon monoxide	Hazardous Polymerization: Will Not Occur

## SECTION VII: SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled:	Remove ignition sources. Avoid breathing vapors or contact with liquid. Soak up with absorbent material and transfer to containers for disposal. Rinse area with water and flush to sanitary sewer. Keep spill out of storm sewers and waterways.
Waste Disposal Method:	Do not incinerate or puncture aerosol container. Dispose of in accordance with federal, state and local regulations.

## SECTION VIII: SPECIAL PROTECTION INFORMATION

Respiratory Protection:	Not normally required when good general ventilation is provided. However, if exposure limits (see Section II) are exceeded or respiratory irritation occurs, use of a NIOSH approved respirator suitable for the use-conditions and chemicals in Section II should be considered.
Ventilation:	Provide good general ventilation. Local exhaust ventilation may be necessary for some operations.
Protective Gloves(Specify Type):	Rubber gloves may be worn for frequent or prolonged contact.
Eye Protection(Specify Type):	Splash goggles
Other Protective Equipment:	See 29 CFR 1910.132-138 for further reference.

## SECTION IX: SPECIAL PRECAUTIONS

Precautions; Handling & Storing:	Contents under pressure. Do not use near fire, sparks or flame. Do not store where temperatures could exceed 130°F.
Other Precautions:	Keep out of reach of children

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Name: Ronald T. Cook

Title: Manager, Regulatory Affairs

**WASP & HORNET KILLER III  
(AEROSOL)**

Effective Date: 06/01/2004

Supercedes: 04/13/2001

Ref: 29 CFR 1910.1200 (OSHA)

Changes: Update Sections

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**90700270**

**TolCo Corp.**

**SOAK-IT**

**Vomit Control Agent**



# Material Safety Data Sheet



**Tolco Corporation**  
1920 Linwood Avenue • Toledo, Ohio 43624  
419-241-1113



<b>Product:</b> SOAKIT	
<b>Description:</b> Corncob with Scent	
<b>Other Designations:</b>	<b>Manufacturer:</b>
Corncob Absorbent	Tolco Corporation 1920 Linwood Ave. Toledo, Ohio 43624
<b>Emergency Telephone No.:</b> 800-537-4786	
<b>Hazardous Ingredient/Identity Information</b>	<b>Physical/Chemical Characteristics</b>
These products do not meet the definition of a hazardous material given in 29 CFR Part 1910.1200 (OSHA). Information on this form is furnished as a customer service.  These products are derived from corncobs.	Boiling Point: N/A
	Vapor Pressure (mmHg.): N/A
	Vapor Density (AIR = 1): N/A
	Solubility in Water: <10%
Specific Gravity (H <sub>2</sub> O = 1): 0.8 - 1.2	
Melting Point: N/A	
Evaporation Rate (Butyl Acetate = 1): N/A	
Appearance and Odor: Citrus Mint Tan granules with odor.	
<b>Fire and Explosion Hazard Data</b>	<b>Reactivity Data</b>
Flash Point (Method Used): 350°F OC / 388°F CC	Flammable Limits: N/A
LEL: N/A	UEL: N/A
Extinguishing Media: water, dry chemical, foam, carbon dioxide, halon	Stability: Unstable
Special Fire Fighting Procedures: None	Stable
Unusual Fire and Explosion Hazards: Combustion products may include CO and NOx typical of wood smoke	Conditions to Avoid: None Known
Incompatibility (Materials to Avoid): strong acids, strong caustics and oxidizing agents	
Hazardous Decomposition of Byproducts: Carbon Dioxide and Carbon Monoxide Fumes	
Hazardous Polymerization: May Occur	
Will Not Occur	
Conditions to Avoid: None Known	
<b>Health Hazard Data</b>	<b>Control Measures</b>
Routes of Entry: Inhalation? YES	Respiratory Protection (Specify Type): None Required
Skin? NO	
Ingestion? YES	
Health Hazards (Acute and Chronic) None Known. Nuisance dust may cause mechanical irritation.	Ventilation
	Local Exhaust: None
	Mechanical (General): None
	Special: N/A
	Other: N/A
Carcinogenicity: NTP? NO	Protective Gloves: None Required
IARC Monographs? NO	
OSHA Regulated? NO	
Signs and Symptoms of Exposure: None Known	Other Protective Clothing or Equipment: None Required
Medical Conditions Generally Aggravated by Exposure: None Known	Work/Hygienic Practices: No Special Requirements
Emergency First Aid Procedures:  No acute or chronic hazards known	The information and data contained herein is based upon facts considered to be correct as of the date hereof. Information supplied upon the condition that the persons receiving the same will make their own determination as to its suitability for their purposes prior to use. In no event will Tolco Corporation be responsible for damages of any nature whatsoever resulting from the use or reliance upon this information. No representations or warranties either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which this information refers.