

# City of Chisholm

# MSDS

## SAFETY DATA SHEETS

### **\*Notice:**

- **If you use a product that is not in this book, “Notify a Safety Committee member if a new product is purchased that does not have an MSDS sheet”.**
- **If a product is no longer in use by the city, “Remove the old MSDS sheet”.**
- **If you do not understand an MSDS sheet, “Ask for help”.**

### **Chisholm Safety & Health Committee**

Mark Casey, Margaret Gornick, Mel Maturi, Todd Scaia, Larry Pervenanze, Steve Erickson, Vernon Manner

## HOW TO USE A MATERIAL SAFETY DATA SHEET

The MSDS for each hazardous chemical in your work area tells you how to use, handle and store the chemical safely. Each MSDS may look a little different, but all give you the same basic information. Below are explanations of the different sections of a general MSDS. If you have any specific questions after reading an MSDS, you should check with your supervisor.

<p><b>SECTION I - CHEMICAL PRODUCT &amp; COMPANY IDENTIFICATION</b></p> <p>This first section of the MSDS helps you identify the chemical. It lists the name of the chemical, any trade names and the chemical manufacturer's name and address. This section may also list an emergency number.</p>	<p><b>SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS</b></p> <p>This section describes the chemical's appearance, odor, and other characteristics. Percent volatile, for instance, is how much of the chemical evaporates at room temperature. Sulfuric acid for example, has a low percent volatile, but it can be harmful if inhaled. Respiratory protection or extra ventilation may be needed.</p>
<p><b>SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS</b></p> <p>This section lists what's in the chemical and what the components by percentage is in the chemical which may potentially cause harm.</p>	<p><b>SECTION X - STABILITY AND REACTIVITY</b></p> <p>Here you'll find whether the chemical "reacts" with material or conditions. Incompatibility lists the materials, such as water or other chemicals, that cause the chemical to burn, explode, or release dangerous gases. Instability lists the environmental conditions, such as heat or direct sunlight that causes a dangerous reaction.</p>
<p><b>SECTION III - HAZARDS IDENTIFICATION</b></p> <p>This section describes the chemicals appearance and odor.</p> <p>This section also lists hazards, how the chemical can enter your system and symptoms of overexposure, such as skin rash, burn, headache, or dizziness. It may also list any medical conditions that can be aggravated by exposure to the chemical, the presence of any carcinogenic compounds and any known long term (chronic) effects of exposure.</p>	<p><b>SECTION XI - TOXICOLOGICAL INFORMATION</b></p> <p>This section lists the concentration of the chemical to which you can safely be exposed, often listed as the permissible exposure limit (PEL) or the threshold limit value (TLV). These safe exposure limits are usually figured for average exposures over a typical work shift. It also lists any information available on oral toxicity (LD50) and toxicity (LC50) under certain situations such as in water or air. Note that not all chemical compounds have this information available.</p>
<p><b>SECTION IV - FIRST AID MEASURES</b></p> <p>This section lists what to do in the event of overexposure, such as flushing exposed skin with water or seeking immediate medical attention.</p>	<p><b>SECTION XII - ECOLOGICAL INFORMATION</b></p> <p>This section provides information on the effects of the chemical to the environment.</p>
<p><b>SECTION V - FIRE FIGHTING MEASURES</b></p> <p>Here you can find at what temperature the chemical ignites, called flashpoint. If a chemical is flammable, it ignites below 100°F. If it's combustible, it ignites at 100°F or above. This section also lists extinguishing media - what will put out the fire safely - such as water spray, foam or other types of fire extinguisher.</p>	<p><b>SECTION XIII - DISPOSAL CONSIDERATIONS</b></p> <p>This section includes notes on how to dispose of the chemical safely and any hazard classifications required for disposal purposes.</p>
<p><b>SECTION VI - ACCIDENTAL RELEASE MEASURES</b></p> <p>This section tells you what to use to clean up an accidental spill or leak. No matter what the chemical is, always notify your supervisor right away. Before cleaning up a chemical spill, you may need to wear respiratory protection, gloves, safety goggles, or protective clothing.</p>	<p><b>SECTION XIV - TRANSPORT INFORMATION</b></p> <p>This section identifies information for shipping the chemical conforming to international shipping regulations.</p>
<p><b>SECTION VII - HANDLING AND STORAGE</b></p> <p>This section describes how to properly store the chemical.</p>	<p><b>SECTION XV - PREPARATION DATA</b></p> <p>Identifies the person who prepared the Material Safety Data Sheet and relevant date and phone number where the preparer can be reached.</p>
<p><b>SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION</b></p> <p>Here you'll find a listing of any personal protective equipment (respiratory protection, gloves, eye protection) you need to work safely with the chemical. If protective equipment is needed, this section may list the specific types that are recommended, such as a full-face mask respirator, rubber gloves and chemical safety goggles.</p>	<p><b>SECTION XVI - REGULATORY INFORMATION</b></p> <p>Identifies any regulations that pertain to the chemical.</p> <p><b>SECTION XVII - OTHER INFORMATION</b></p> <p>Other relevant information.</p>

### NFPA SYSTEM

A. Health Hazard     A. Fire Hazard     A. Reactivity Hazard

The NFPA rating system identifies relative hazard of chemicals on a 0 - 4 scale (0 = Non-hazardous, 4 = Extremely hazardous). This system of ratings is identical to the HMIS system.

MSDS

Index Sheet

1. Nature's way the liquid floor cleaner
2. Mulberry magic metered air freshener
3. Mulberry spray gel Spray gel deodorant
4. German Guard - Phenomenal disinfectant
5. Kresto heavy duty hand cleaner
6. Multi clean – Multi Stat finish
7. Multi clean – red lightning
8. Multi clean – B-Q 32 pine odor disinfectant
9. Multi clean – pink hand cleaner
10. Multi clean – 13 extraction cleaner
11. Multi clean – defoamer
12. Multi clean – Odor-Rite tropical (concentrate)
13. Multi clean - Odor-Rite Fresh (concentrate)
14. DRANO MAX professionals strength gel clog remover
15. Blue luster carpet shampoo
16. Lemon oil furniture polish
17. Marker board cleaner
18. Sign off Spartan chemical company
19. Goo Gone
20. Clorox disinfecting wipes
21. Resolve – spot and stain carpet cleaner
22. AEROKROIL penetrant / lubricant for industrial use
23. AJAX cleaner power oxygen bleach
24. Pure Bright Ultra germicidal bleach
25. DRANO Max Professional Strength Gel Clog Remover
26. DRANO Max Gel Clog Remover Commercial Line
27. Sani-Flush Disinfectant Bowl Cleaner
28. Joust Floor Finish Remover
29. Bolt with Odor Counteractant Fragrance
30. Light Force Plexiglass Cleaner
31. Triple S Foam Disinfectant Cleaner
32. Triple S Lemon Oil Furniture Polish
33. Molecules Dry
- 34.
35. All-Pro ATCO International
36. Nylac Carpet Cleaner

**Northland Chemical Corp.**  
 1170 Eagan Industrial Rd, Eagan, MN 55121  
 Phone: 651-414-6246  
 Fax: 651-414-6249



# MATERIAL SAFETY DATA SHEET

N/A = Not Applicable

(Prepared According to 29 CFR 1910.1200)

Effective Date: 05/01/12

## Section 1 - PRODUCT IDENTIFICATION

**Product Name:** Nature's Way  
**Generic Name:** Liquid Floor cleaner  
**Supplier Name:** Northland Chemical Corp  
**Supplier Address:** 1170 Eagan Industrial Rd, Eagan, MN 55121

**Chem. Family:** N/A  
**Formula:** N/A  
**Phone:** 651-414-6246  
**Emergency:** 800-255-3924

NFPA Hazardous Materials Identification	
Health	1
Flammability	0
Reactivity	0
Maximum Personal Protection	B

## Section 2 - INGREDIENTS

CHEMICAL NAME	CAS NO.	WT.%	PEL	TWA*TLV	STEL*TLVC	Concentration	Carcinogen
Tetrasodium Ethylene Diamine Tetraacetate	64-02-8	1-5					
Tergitol NP-33 (nonionic)	9016-45-9	1-5					

\*Subject to the reporting requirements of SARA Title III, Section 313.

## Section 3 - PHYSICAL DATA

**Boiling Point:** 212°F  
**Vapor Density:** (Air=1): <1  
**Vapor Pressure:** <4 kPa (<30 mm Hg)  
**pH:** 11.6 to 12.7  
**Melting Point:** 32°F  
**Evaporation Rate:** (Water=1): 0.33  
**Solubility in Water:**  
**Physical Description:** Liquid with minty odor.  
**Specific Gravity:** 1.04 gm/ml

## Section 4 - FIRE AND EXPLOSION DATA

**Flammable Limits:** In a fire or if heated, a pressure increase will occur and the container may burst.  
**Special Exposure hazards:** 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.  
**Extinguishing Media:** Use an extinguishing agent suitable for the surrounding fire.  
**Hazardous thermal decomposition products:** Decomposition products may include carbon dioxide, carbon monoxide, nitrogen oxides, sulfur oxides, and/or metal oxides.  
**Flash Point:** Closed cup: Not applicable

## Section 5 - Storage and Handling

### Precautions to be Taken in Handling and Storage:

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 and food/drink. Separate from acids. 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.

### Transport Information:

Hazard Class: ID NO: Packing Group: Shipping Name:

## Section 6 - HEALTH HAZARDS AND FIRST AID

**Emergency Overview:** CONTAINS MATERIAL THAT MAY CAUSE TARGET ORGAN DAMAGE, BASED ON ANIMAL DATA.

### Potential acute health effects due to overexposure:

**Inhalation:** May give off gas, vapor, or dust that is very irritating or corrosive to the respiratory system. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

**Ingestion:** May cause burns to mouth, throat, and stomach.

**Skin/Eyes:** Corrosive to eyes and skin. May cause severe burns.

### Potential chronic health effects due to overexposure:

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

### First Aid Procedures:

**Skin:** Immediately flush skin with plenty of water for at least 15 min while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes before reuse. Get medical attention immediately.  
**Eyes:** Check for and remove contact lenses. Immediately flush eyes with plenty of water for at least 15 min, occasionally lifting the upper and lower eyelids. Get medical attention immediately.  
**Inhalation:** Remove to fresh air. Loosen tight clothing. Get medical attention immediately.  
**Ingestion:** Wash out mouth with water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

No action shall be taken involving personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

**Note 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.

## Section 7 - SPECIAL PROTECTION INFORMATION

**Respiratory Protection:** None required with adequate ventilation.  
**Eye 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, or dusts.  
**Protective Gloves:** Chemical-resistant, impervious gloves complying with an approved standard should be worn when handling chemical products if risk assessment indicates necessary.  
**Skin:** 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.  
**Special Fire Protective Equipment:** Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face piece operated in positive pressure mode.

## Section 8 - SPILL OR LEAK PROCEDURES

**Steps to be Taken in Case Material is Released or Spilled:** Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, if water-soluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

### Disposal Method:

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.

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.

# Northland Chemical Corp.

1170 Eagan Industrial Rd, Eagan, MN 55121

Phone: ..... 651-414-6246

Fax: ..... 651-414-6249



## MATERIAL SAFETY DATA SHEET

N/A = Not Applicable

(Prepared According to 29 CFR 1910.1200)

Effective Date 05/01/2012

### Section 1 - PRODUCT IDENTIFICATION

**Product Name:** Mulberry Magic  
**Generic Name:** Metered air freshener  
**Suppliers Name:** NORTHLAND CHEMICAL CORP.  
**Suppliers Address:** 1170 Eagan Industrial Rd, Eagan, MN 55121

**Chemical Family:** N/A  
**Formula:** ..... N/A  
**Phone:** ..... 651-414-6246  
**Emergency:** ... 800-255-3924

#### NPCA Hazardous Materials Identification

Health	1
Flammability	2
Reactivity	1
Maximum Personal Protection	A

### Section 2 - INGREDIENTS

CHEMICAL NAME	CAS NO.	OSHA PEL	AGIH TLV
Ethyl Alcohol	64-17-5	1000 PPM	1000 PPM
Cetyl Ether DE	111-90-0	NE	NE
Propane/N-Butane	68476-86-8	1000 PPM	600 PPM

### Section 3 - PHYSICAL DATA

**Boiling Point:** 180°F  
**Vapor Pressure:** 20  
**Vapor Density (Air = 1):** >1  
**Solubility in Water:** 96%

**Specific Gravity (water=1):** 0.88  
**Melting/Freezing Point:** N/A  
**Evaporation Rate:** >1  
**(Butyl Acetate = 1)**

**Appearance and Odor:** Clear spray, mulberry scent.

### Section 4 - FIRE AND EXPLOSION DATA

**Flash Point (Method Used):** 138°F  
**Flammable Limits:** LEL: 2 UEL: 27  
**Extinguishing Media:** Standard chemical fire extinguisher.  
**Special Fire Fighting Procedures:** Wear self-contained breathing apparatus whenever indicated.  
**Unusual Fire and Explosion Hazards:** Flammable. Contents under pressure. Exposure to temperatures above 120°F may cause bursting.

### Section 5 - REACTIVITY DATA

**Stability:** Stable  
**Conditions to Avoid:** Temperatures above 120°F.  
**Incompatibility (Materials to Avoid):** Strong alkalis. High temperatures in the presence of strong bases.  
**Acids:** Strong oxidizing agents.  
**Hazardous Decomposition or Byproducts:** Carbon dioxide and/or carbon monoxide.

**Hazardous Polymerization:** Will not occur.

### Section 6 - STORAGE AND HANDLING INFORMATION

**Precautions to be Taken in Handling and Storage:**  
Do not use or store near heat or open flame.  
Exposure to temperatures above 120°F may cause bursting.  
Exposure to temperatures above 120°F may cause bursting.

### Section 7 - HEALTH HAZARDS AND FIRST AID

**Effects of Overexposure:**  
**Primary Routes of Entry:**  
**Skin:** ..... Mild irritation.  
**Eyes:** ..... Strong irritation reddening.  
**Ingestion:** ..... N/A  
**Inhalation:** ..... Excessive exposure may cause slight dizziness.

**First Aid Procedures:**  
**Eyes:** ..... Flush with water for 15 minutes.  
**Inhalation:** ..... Remove to fresh air.  
**Skin:** ..... Wash with soap and water. Contact physician if irritation persists.  
**Ingestion:** ..... N/A

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

### Section 8 - SPECIAL PROTECTION INFORMATION

**Respiratory Protection:** ..... N/A  
**Protective Gloves:** ..... N/A  
**Ventilation:** ..... Local exhaust: Adequate.

**Eye Protection:** ..... Safety glasses are recommended when using chemical products.  
**Work/Hygiene Practices:** ..... Wash hands after use.  
**Other:** ..... N/A

### Section 9 - SPILL OR LEAK PROCEDURES

**Steps to be Taken in Case Material is Released or Spilled:**  
Wipe up with rag or use some absorbent clay material.

**Waste Disposal Method:**  
Dispose of residue in accordance with federal, state and local environmental guidelines. Do not puncture or incinerate container. Do not reuse container. Wrap container and place in trash collection.

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## MATERIAL SAFETY DATA SHEET

N/A = Not Applicable

(Prepared According to 29 CFR 1910.1200)

Effective Date 05/01/12

### Section 1 - PRODUCT IDENTIFICATION

Product Name: ... Spray Gel ~ Mulberry  
Generic Name: ... Spray Gel Deodorant  
Suppliers Name: ... NORTHLAND CHEMICAL CORP.  
Suppliers Address: 1170 Egan Industrial Rd, Egan, MN 55121

Chemical Family: N/A  
Formula: ..... N/A  
Phone: ..... 651-414-6246  
Emergency: ..... 800-255-3924

#### NPCA Hazardous Materials Identification

Health	0
Flammability	1
Reactivity	0
Maximum Personal Protection	1

### Section 2 - INGREDIENTS

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV C	CARCINOGEN
Isopropyl Alcohol	67-63-0		400 PPM	400 PPM		
L.P.G.	68476-85-7		1000 PPM	1000 PPM		

### Section 3 - PHYSICAL DATA

Boiling Range: 212°F  
Vapor Pressure: 17.5  
% Volatile:  
Solubility In Water: 100%  
Physical Description: White Foam, Pleasant Odor

Specific Gravity: (water=1) 0.98  
Vapor Density: (Air = 1) >1  
pH:  
Evaporation Rate: >1

### Section 4 - FIRE AND EXPLOSION DATA

Concentrate Flash Point (Method): None  
Propellant Flash Point (Method): N/A  
Flash Point (Method): NONE  
Extinguishing Media: NONE  
Special Fire Fighting Procedures: NONE  
Unusual Fire and Explosion Hazards: Contents under pressure. Exposure to temperatures above 120°F may cause bursting

Explosive Limits  
Upper: N/A  
Lower: N/A

### Section 5 - REACTIVITY DATA

Stability: Stable  
Incompatibility (Materials to Avoid):  
Hazardous Decomposition Products:  
Conditions to Avoid:

Hazardous Polymerization: Will not occur.  
Avoid strong oxidizers, alkalies and acids.  
None Known  
Temperatures above 120°F may cause bursting.

### Section 6 - STORAGE AND HANDLING INFORMATION

Precautions to be Taken in Handling and Storage:  
Store in a cool, dry area. Keep away from heat, flames or sparks.

### Section 7 - HEALTH HAZARDS AND FIRST AID

#### Effects of Overexposure:

#### Primary Route of Entry:

Skin: ..... No.  
Eyes: ..... Irritation.  
Inhalation: ..... Dizziness and Headaches.  
Ingestion: ..... No.

#### First Aid Procedures:

Skin: ..... None.  
Eyes: ..... Flush with water and see physician.  
Inhalation: ..... Remove to fresh air and see physician.  
Ingestion: ..... Drink large quantities of water.

### Section 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection: ..... None  
Protective Gloves: ..... None  
Other Protective Equipment: ..... N/A.

Ventilation: ..... N/A.  
Eye Protection: ..... None.  
Protective Clothing: ..... N/A.

### Section 9 - SPILL OR LEAK PROCEDURES

#### Steps to be Taken In Case Material Is Released or Spilled:

Dispose of residue in accordance with federal, state and local guidelines.

#### Waste Disposal Method:

Wrap containers and place in trash collection. Do not puncture or incinerate container.

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## MATERIAL SAFETY DATA SHEET

N/A = Not Applicable

(Prepared According to 29 CFR 1910.1200)

Effective Date 05/01/2012

### Section 1 - PRODUCT IDENTIFICATION

Product Name: ... Germ Guard  
Generic Name: ... Phenomenal Disinfectant  
Suppliers Name: ... NORTHLAND CHEMICAL CORP.  
Suppliers Address: 1170 Eagan Industrial Rd, Eagan, MN 55121

Chemical Family: ... N/A  
Formula: ..... N/A  
Phone: ..... 651-414-6246  
Emergency ..... 800-255-3924

#### NPCA Hazardous Materials Identification

Health	1
Flammability	3
Reactivity	1
Maximum Personal Protection	A

### Section 2 - INGREDIENTS

CHEMICAL NAME	CAS NO.	OSHA PEL	ACGIH TLV	OTHER LIM
Ethyl Alcohol	64-17-5	1000PPM	1000PPM	N/A
O-Phenyl Phenol	90-43-7	None	None	
Propane	68476-86-8	1000PPM	600PPM	N/A

#### Comment:

THIS PRODUCT IS CONTAINS CHEMICAL(S) MARKED WITH A + KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER

### Section 3 - PHYSICAL DATA

Boiling Point: 165°  
Vapor Pressure (mm Hg): 44  
Vapor Density (AIR=1): 1  
Solubility in Water: 100%  
Appearance and Odor: Clear, amber spray, disinfectant odor.

Specific Gravity (water=1): .88  
Melting Point: N/A  
Evaporation Rate: >1  
(Butyl Acetate=1)

### Section 4 - FIRE AND EXPLOSION DATA

Flash Point (Method used): 68° TOC  
Extinguishing Media:  
Special Fire Fighting Procedures:  
Unusual Fire and Explosion Hazards:

Flammable limits: LEL: N/A UEL: N/A  
Standard chemical fire extinguisher  
Self contained breathing apparatus  
Contents under pressure. Exposure to temperatures above 120°F may cause bursting, contains flammable propellant.

### Section 5 - REACTIVITY DATA

Stability: Stable  
Incompatibility (Materials to avoid): Strong oxidizers  
Hazardous Decomposition or Byproducts: None known  
Hazardous Polymerization: Will not occur

Conditions to avoid: Temperatures above 120°F

### Section 6 - STORAGE AND HANDLING INFORMATION

Precautions to be Taken in Handling and Storage:  
Store in a dry, cool area.  
Keep away from heat, flame or sparks.

### Section 7 - HEALTH HAZARDS AND FIRST AID

Effects of Overexposure:  
Primary Route of Entry:  
Skin: ..... Causes drying and irritation.  
Eyes: ..... Severe irritation.  
Inhalation: ..... May be irritation to mouth, nose and throat leading to sleep and stupor.  
Ingestion: ..... Harmful or fatal depending on amount consumed.

First Aid Procedures:  
Skin: ..... N/A  
Eyes: ..... Flush with water for 15 minutes. See physician if irritation persists.  
Inhalation: ..... Remove to fresh air.  
Ingestion: ..... Induce vomiting, give copious amount of water and call physician.

Medical Conditions Generally Aggravated by Exposure: None Known

### Section 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection: ..... N/A  
Protective Gloves: ..... Only if repeated contact with skin occurs.  
Eye Protection: ..... Safety glasses are recommended whenever chemicals are used.

Ventilation: .....  
Other Protective Clothing or Equipment: N/A  
Work/Hygenic Practices: .....  
Local exhaust: Adequate  
Wash hands after use.

### Section 9 - SPILL OR LEAK PROCEDURES

Steps to be Taken In Case Material is Released or Spilled:  
Mop or wipe up spill.  
Dispose of in accordance with federal, state and local guidelines.

Waste Disposal Method:  
Wrap container and place in trash collection. Do not puncture or incinerate container.

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.

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# Material Safety Data Sheet

MSDS ID: SK-117D

## \*\*\* Section 1 - Chemical Product and Company Identification \*\*\*

**Product Name: KRESTO® & KRESTO® Heavy Duty Hand Cleaner**

**Product Use:** Hand Cleanser

### Manufacturer Information

Evonik Corporation  
2401 Doyle Street  
Greensboro, NC 27406

Non-Emergency # 800-242-2271

Emergency # (800) 424-9300 CHEMTREC (North America)  
Emergency # (703) 527-3887 CHEMTREC (International, call collect)

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, Non-Emergency number above.

## \*\*\* Section 2 - Hazards Identification \*\*\*

### Emergency Overview

No particular hazards known.

### Potential Health Effects: Eyes

This product may cause slight irritation to the eyes.

### Potential Health Effects: Skin

None.

### Potential Health Effects: Ingestion

Seek medical attention.

### Potential Health Effects: Inhalation

Prolonged inhalation may cause irritation and respiratory tract discomfort.

**HMIS Ratings:** Health: 1 Fire: 1 Reactivity: 0 Pers. Prot.: None required.  
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard

## \*\*\* Section 3 - Composition / Information on Ingredients \*\*\*

CAS #	Component
52-51-7	1,3-Propanediol,2-bromo-2-nitro-

### 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.

Toxic Substances Control Act (TSCA): Exempt

Workplace Hazardous Materials Information System (WHIMS-Canada): Exempt-cosmetic hand cleanser

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# Material Safety Data Sheet

Product Name: KRESTO & KRESTO Heavy Duty Hand Cleaner

MSDS ID: SK-117D

**\*\*\* Section 4 - First Aid Measures \*\*\***

**First Aid: Eyes**

In case of contact, immediately flush eyes with large amounts of water, continuing to flush for 15 minutes. If irritation persists get medical attention.

**First Aid: Skin**

Intended as a cosmetic hand cleaner.

**First Aid: Ingestion**

If material is swallowed, get medical attention or advice.

**First Aid: Inhalation**

If symptoms are experienced, remove source of contamination or move victim to fresh air.

**\*\*\* Section 5 - Fire Fighting Measures \*\*\***

**General Fire Hazards**

None.

**Upper Flammable Limit (UFL):** Not determined

**Lower Flammable Limit (LFL):** Not determined

**Method Used:** Estimated

**Flash Point:** >200°F

**Flammability Classification:** Not Determined

**Auto Ignition:** Not determined

**Hazardous Combustion Products**

None identified.

**Extinguishing Media**

Dry chemical, foam, carbon dioxide, water fog.

**Fire Fighting Equipment/Instructions**

Firefighters should wear self-contained air supplied breathing apparatus in enclosed areas or in areas of heavy smoke or fumes.

**NFPA Ratings: Health: 1 Fire: 1 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. Flush small residuals to the drain for normal biological wastewater treatment.

**Evacuation Procedures**

None.

**Special Procedures**

None.

**\*\*\* Section 7 - Handling and Storage \*\*\***

**Handling Procedures**

Keep container closed. See container label for proper use.

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# Material Safety Data Sheet

Product Name: KRESTO & KRESTO Heavy Duty Hand Cleaner

MSDS ID: SK-117D

## Storage Procedures

Protect from freezing or extreme heat.

### \*\*\* 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

Not required for product end use.

##### Personal Protective Equipment: General

Obey reasonable safety precautions and practice good housekeeping.

### \*\*\* Section 9 - Physical & Chemical Properties \*\*\*

<b>Appearance:</b> Beige paste	<b>Odor:</b> perfume fragrance (0.1-1%)
<b>Physical State:</b> liquid (Emulsion)	<b>pH:</b> 5.2 – 5.8
<b>Vapor Pressure:</b> 0.07 mm Hg	<b>Vapor Density:</b> Not Established
<b>Boiling Point:</b> >212 °F	<b>Melting Point:</b> 32° F
<b>Solubility (H2O):</b> approximately 25% soluble in water	<b>Specific Gravity:</b> 1.05 g/cc <sup>3</sup> minimum
<b>Evaporation Rate:</b> <1	<b>Flash Point:</b> >200°F (Estimated)
	<b>Percent Volatile:</b> 0% (Federal); LVP-VOC only (California)

### \*\*\* 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.

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## Material Safety Data Sheet

Product Name: KRESTO & KRESTO Heavy Duty Hand Cleaner

MSDS ID: SK-117D

### \*\*\* Section 11 - Toxicological Information \*\*\*

#### Acute and Chronic Toxicity

##### A: General Product Information

Adverse effects on human health are not to be expected in normal use.

##### B: Acute Toxicity-LD50/LC50

No LD50/LC50's are available for this product's components.

#### Carcinogenicity

##### A: General Product Information

Not listed by ACGIH, IARC, NIOSH, NTP OR OSHA.

##### B: Component Carcinogenicity

No information is available.

#### Other Toxicological Information

None.

### \*\*\* Section 12 - Ecological Information \*\*\*

#### Ecotoxicity

##### A: General Product Information

No information available.

##### 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

Controlled release of diluted product into a biological wastewater treatment plant.

##### B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

#### Disposal Instructions

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

### \*\*\* Section 14 - Transportation Information \*\*\*

#### International Transportation Regulations

This product is not regulated as a hazardous material by the United States (DOT) or Canadian (TDG) transportation regulations.

### \*\*\* Section 15 - Regulatory Information \*\*\*

#### US Federal Regulations

##### A: General Product Information

Not regulated under the Clean Air Act, Not subject to TSCA regulation. Regulated as a personal use cosmetic by FDA.

##### B: Clean Air Act

No information is available.

##### C: Component Analysis

No information is available.

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## Material Safety Data Sheet

Product Name: KRESTO & KRESTO Heavy Duty Hand Cleaner

MSDS ID: SK-117D

### D: Food & Drug Administration

None of the components in this product are listed by the FDA under regulations for Direct and Indirect Food Additives.

### State Regulations

#### A: General Product Information

California: Volatiles are LVP -VOC's, fragrance is <2% exempt.

#### B: Component Analysis - State

None of this product's components are listed 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
1,3-Propanediol,2-bromo-2-nitro-	52-51-7	Exempt	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.  
1/14/09 Reviewed with no changes.  
6/21/2012 Document updated

### Key/Legend

LVP-VOC: Low Vapor Pressure -Volatile Organic Compound (California)

Contact: Product Compliance Officer

Contact Phone: (800) 242-2271

This is the end of MSDS #: SK-117D

# MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

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## SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Name (As Used on Label and List): Multi-Stat Finish  
Product Class: Water-borne floor polish  
Emergency Telephone Number: 800-255-3924  
Telephone Number for Information: 651-481-1900  
Manufacturer's Name and Address:  
Multi-Clean®  
600 Cardigan Road  
Shoreview, MN 55126

## SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components (Specific Chemical Identity):		
Chemical	Common Name(s)	%
A	Emulsified acrylic polymer (proprietary)	10 - 30
B	Diethylene glycol monoethyl ether CAS #111-90-0	3 - 7
C	Tributoxyethyl phosphate CAS #78-51-3	1 - 5
D	Acrylic terpolymer resin	1 - 5
E	Emulsified polymer wax	1 - 5
F	Water CAS #7732-18-5	60 - 100
G	Dipropylene glycol methyl ether CAS #34590-94-8	1 - 5

## SECTION III - HAZARDS IDENTIFICATION

**Emergency Overview**  
**Appearance and Odor:** Milky white liquid, mild acrylic odor  
**Primary Hazards:** Irritant  
**Potential Health Hazards**  
**Route(s) of Entry:** Skin Absorption: X Ingestion: X Inhalation: X  
**Eye:** May cause irritation on contact.  
**Skin:** May cause irritation on prolonged or repeated contact.  
**Ingestion:** May be harmful if swallowed.  
**Inhalation:** No effects expected.  
**Signs and Symptoms of Exposure:** Irritation on direct contact.  
**Carcinogenicity:** NTP? No OSHA Regulated? No IARC Monographs? No  
**Target Organ (s):** Skin, eyes, respiratory system. See Health Hazards Chronic.  
**Medical Conditions Generally Aggravated by Exposure:** N. Av.  
**Health Hazards, Chronic:** Overexposure to Dipropylene glycol methyl ether or its components has apparently been found to cause the following effects in laboratory animals, liver abnormalities and kidney damage.

## SECTION IV - FIRST AID MEASURES

**Emergency and First Aid Procedures:**  
**If Swallowed:** Do not induce vomiting. Drink water in large amounts and call a physician immediately. Never give anything by mouth to an unconscious person. **Eye Contact:** Flush eyes with running water for at least 15 minutes. If irritation persists, obtain medical attention. **Skin Contact:** Flush thoroughly with cool water. Remove and wash contaminated clothing before reuse. **Inhalation:** If ill effects occur from breathing vapors, remove victim to fresh air, quite, keep warm and contact physician.  
**Sources Used:** Raw material data, general toxicology from the trade for similar products.

## SECTION V - FIRE FIGHTING MEASURES

**Flammability:** No **Autoignition Temperature:** N. Av.  
**Flash Point (method used):** None  
**Flammable Limits:** N. Av. **LEL** **UEL**  
**Extinguishing Media:** N. Av.  
**Water?** **Foam?** **Water Fog?**  
**Alcohol Foam?** **CO<sub>2</sub>?** **Dry Chemical?**  
**Vaporizing Liquid?** **Other?**  
**Special Fire Fighting Procedures:** N. Av.  
**Unusual Fire and Explosion Hazards:** N. Av.  
**TDG Flammability Classification:** Non-flammable  
**Sensitivity to Mechanical Impact:** None  
**Sensitivity to Static Discharge:** None

## SECTION VI - ACCIDENTAL RELEASE MEASURES

**Steps to be Taken in Case Material is Released or Spilled:**  
Dike and contain spill with inert material (sand, earth, etc). Collect spill with mop, absorbent material (example: floor-dri) or vacuum. Thoroughly rinse affected area with water.

## SECTION VII - HANDLING AND STORAGE

**Precautions to be Taken in Handling and Storing:**  
**Storage Temperature:** Minimum 40°F (4°C); Maximum 100°F (38°C)  
**Other Precautions:** Keep out of reach of children. Keep from freezing.

## SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

**Respiratory Protection (Specify Types):** Not required  
**Ventilation:** Local Exhaust: Not required Special: Not required  
**Mechanical (General):** Normal good ventilation sufficient.  
**Other:** Not required  
**Protective Gloves:** Natural rubber or synthetic.

**Eye Protection:** Approved safety goggles or glasses. **Footwear:** Not required  
**Other Protective Clothing or Equipment:** Not required  
**Work/Hygienic Practices:** Do not contaminate food or beverages with cleaning chemicals.

## SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

**Boiling Point:** Approximately 212°F **pH:** 9  
**Specific Gravity (H<sub>2</sub>O) = 1:** 1.034 **% Volatile:** 75 - 80  
**Vapor Density (Air = 1):** > 1 **Odor Threshold:** N. Av.  
**Evaporation Rate (Butyl Acetate = 1):** N. Av. **Oil/Water Distribution**  
**Solubility in Water:** Complete **Coefficient:** N. Av.  
**Vapor Pressure (MM HG):** N. Av.  
**Melting Point:** N. Av.

## SECTION X - STABILITY AND REACTIVITY

**Stability:** Unstable: Stable: X  
**Conditions to Avoid:** N. Av.  
**Incompatibility (materials to avoid):** N. Av.  
**Hazardous Decomposition or By-products:** N. Av.  
**Hazardous Polymerization:** May occur: Will not occur: X  
**Conditions to Avoid:** N. Av.

## SECTION XI - TOXICOLOGICAL INFORMATION

Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50
A	N. Av.	N. Av.	N. Av.	N. Av.	N. Av.
B	N. Av.	N. Av.	N. Av.	5,000 mg/kg (rat, oral)	> 200mg/L (1 hr.)
C	None	None	N. Av.	N. Av.	N. Av.
D	None	None	N. Av.	N. Av.	N. Av.
E	None	None	N. Av.	N. Av.	N. Av.
F	None	None	N. Av.	N. Av.	N. Av.
G	100 ppm	100 ppm	N. Av.	5.6 gm/kg (rat, oral)	> 33,000 ppm (rat)

**Teratogen, Mutagen, Reproductive Toxin Status:** No  
**Toxicologically Synergistic Products:** N. Av.

## SECTION XII - ECOLOGICAL INFORMATION

**Ecotoxicological Information:** N. Av.  
**Chemical Fate Information:** N. Av.

## SECTION XIII - DISPOSAL CONSIDERATIONS

**Waste Disposal Method:**  
Solution may contain zinc. Coagulate with ferric chloride or sulfate and then lime. Decant the clear liquid to a sewer. Dispose of the coagulum by sanitary landfill or incinerator. Follow all existing pollution control ordinances.  
**RCRA Hazard Class:** None

## SECTION XIV - TRANSPORT INFORMATION

**Shipping Classification:** Buffing or polishing compound  
**UN Number:** N. Av.  
**Packing Group:** N. Av.

## SECTION XV - PREPARATION DATA

**Prepared By:** Ron Camp  
**Telephone Number:** 651-481-1900  
**Date:** 4-12

## SECTION XVI - REGULATORY INFORMATION

**US Federal Regulations**  
**TSCA Status:** All ingredients listed.  
**CERCLA Reportable Quality:** None  
**SARA Title III**  
**Section 302 Extremely Hazardous Chemicals:** None  
**Section 311/312 Hazard Category:** Immediate health hazard  
**Section 313 Toxic Chemicals:** Dipropylene glycol methyl ether (glycol ether) and Ethylene glycol monoethyl ether (glycol ether)  
**State Regulations**  
**International Regulations**  
**WHMIS Controlled Product Hazard Class:** D2B

## SECTION XVII - OTHER INFORMATION

None  
N. Av. - Not Applicable; N. Av. - Not Available

## NFPA SYSTEM

1 A. Health Hazard 0 A. Fire Hazard 0 A. Reactivity Hazard

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# MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

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<b>SECTION I - CHEMICAL PRODUCT &amp; COMPANY IDENTIFICATION</b>	
Identity (As Used on Label and List): Red Lightning Product Class: General purpose water-based cleaner Emergency Telephone Number: 800-255-3924 Telephone Number for Information: 651-481-1900 Manufacturer's Name and Address: Multi-Clean® 600 Cardigan Road Shoreview, MN 55126	
<b>SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS</b>	
Hazardous Components (Specific Chemical Identity):	
Chemical	Common Name(s) %
A	Sodium Carbonate 1 - 4 CAS #497-19-8
B	Alcohol Ethoxylate 3 - 8 CAS #34398-01-1
C	Sodium Xylene Sulfonate 1 - 5 CAS #1300-72-7
D	Water 60 - 100 CAS #7732-18-5
<b>SECTION III - HAZARDS IDENTIFICATION</b>	
Emergency Overview Appearance and Odor: Red liquid, citrus aroma. Primary Hazards: Irritant	
Potential Health Hazards Route(s) of Entry: Skin Absorption: Ingestion: X Inhalation: Eye: May cause irritation on contact. Skin: May cause irritation on prolonged or repeated contact. Ingestion: May be harmful if swallowed. Inhalation: No hazardous vapors. Signs and Symptoms of Exposure: Irritation on direct contact. Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No Target Organ (s): No additional data Medical Conditions Generally Aggravated by Exposure: N. Av. Health Hazards, Chronic: N. Av.	
<b>SECTION IV - FIRST AID MEASURES</b>	
Emergency and First Aid Procedures: Swallowed: Do not induce vomiting. Drink water in large amounts and call a physician immediately. Never give anything by mouth to an unconscious person. Eye Contact: Flush eyes with running water for at least 15 minutes. If irritation persists, obtain medical attention. Skin Contact: Flush thoroughly with cool water. Remove and wash contaminated clothing before reuse. Sources Used: Raw material data, general toxicology from the trade for similar products.	
<b>SECTION V - FIRE FIGHTING MEASURES</b>	
Flammability: No Autoignition Temperature: N. Ap. Flash Point (method used): None Flammable Limits: N. Ap. LEL UEL Extinguishing Media N. Ap. Water? Foam? Water Fog? Alcohol Foam? CO2? Dry Chemical? Vaporizing Liquid? Other? Special Fire Fighting Procedures: N. Ap. Unusual Fire and Explosion Hazards: N. Av. TDG Flammability Classification: Non-flammable Sensitivity to Mechanical Impact: None Sensitivity to Static Discharge: None	
<b>SECTION VI - ACCIDENTAL RELEASE MEASURES</b>	
Steps to be Taken in Case Material is Released or Spilled: Dike and contain spill with inert material (sand, earth, etc). Collect spill with mop, absorbent material (example: floor-dri) or vacuum. Thoroughly rinse affected area with water.	
<b>SECTION VII - HANDLING AND STORAGE</b>	
Precautions to be Taken in Handling and Storing: Normal care in handling and storage. Other Precautions: Keep out of reach of children. Keep from freezing.	
<b>SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION</b>	
Respiratory Protection (Specify Types): Not required Ventilation: Local Exhaust: Not required Special: Not required Mechanical (General): Normal good ventilation sufficient. Other: Not required Protective Gloves: Natural rubber or synthetic. Eye Protection: Approved safety goggles or glasses. Footwear: Not required Other Protective Clothing or Equipment: Not required Hygienic Practices: Do not contaminate food or beverages with cleaning chemicals.	

<b>SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS</b>					
Boiling Point: Approximately 212°F		pH: 11.5		Specific Gravity (H2O) = 1: 1.057	
Vapor Density (Air = 1): < 1		% Volatile: 87.5		Odor Threshold: N. Av.	
Evaporation Rate (Butyl Acetate = 1): N. Av.		Oil/Water Distribution		Coefficient: N. Av.	
Solubility in Water: Complete		Melting Point: N. Ap.			
Vapor Pressure (MM HG): N. Av.		<b>SECTION X - STABILITY AND REACTIVITY</b>			
Stability: Unstable: Stable: X		Conditions to Avoid: N. Ap.			
Incompatibility (materials to avoid): N. Av.		Hazardous Decomposition or By-products: N. Av.			
Hazardous Polymerization: May occur: Will not occur: X		Conditions to Avoid: N. Ap.			
<b>SECTION XI - TOXICOLOGICAL INFORMATION</b>					
Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50
A	None	None	N. Av. (rat, oral)	4,000 mg/kg (rat, oral)	N. Av.
B	None	None	N. Av.	0.7 - 1.7 gm/kg (rat, oral)	N. Av.
C	N. Ap.	N. Ap.	N. Ap.	4,000 mg/kg (rat, oral)	N. Av.
D	N. Ap.	N. Ap.	N. Ap.	N. Av.	N. Av.
Teratogen, Mutagen, Reproductive Toxin Status: No					
Toxicologically Synergistic Products: N. Av.					
<b>SECTION XII - ECOLOGICAL INFORMATION</b>					
Ecotoxicological Information: N. Av.					
Chemical Fate Information: N. Av.					
<b>SECTION XIII - DISPOSAL CONSIDERATIONS</b>					
Waste Disposal Method: Dispose of spilled material in accordance with local, state and federal regulations. Waste from normal cleaning procedures may be sewered, depending on the materials and/or contaminants being cleaned as well as state, federal and local sewer commission regulations.					
RCRA Hazard Class: None					
<b>SECTION XIV - TRANSPORT INFORMATION</b>					
Shipping Classification: Compound, cleaning liquid, N.O.I.					
UN Number: N. Ap.					
Packing Group: N. Ap.					
<b>SECTION XV - PREPARATION DATA</b>					
Prepared By: Ron Camp					
Telephone Number: 651-481-1900					
Date: 4-12					
<b>SECTION XVI - REGULATORY INFORMATION</b>					
<b>US Federal Regulations</b>					
TSCA Status: All ingredients listed.					
CERCLA Reportable Quality: None					
<b>SARA Title III</b>					
Section 302 Extremely Hazardous Chemicals: None					
Section 311/312 Hazard Category: Immediate health hazard					
Section 313 Toxic Chemicals: None					
<b>State Regulations</b>					
<b>International Regulations</b>					
WHMIS Controlled Product Hazard Class: D2B					
<b>SECTION XVII - OTHER INFORMATION</b>					
None					
N. Ap. - Not Applicable; N. Av. - Not Available					

## NFPA SYSTEM

1 A. Health Hazard      0 A. Fire Hazard      0 A. Reactivity Hazard

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE, HOWEVER NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. MINUTEMAN INTERNATIONAL, INC. ASSUMES NO RESPONSIBILITY FOR PERSONAL INJURY OR PROPERTY DAMAGE TO VENDEES, USERS OR THIRD PARTIES CAUSED BY THE MATERIAL. SUCH VENDEES OR USERS ASSUME ALL RISKS ASSOCIATED WITH THE USE OF THE MATERIAL.

# MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)



**SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION**  
**Identity (As Used on Label and List):** B-Q 32 Pine Odor Disinfectant  
**Product Class:** Disinfectant Cleaner, EPA #6836-169-5449  
**Emergency Telephone Number:** 800-255-3924  
**Telephone Number for Information:** 651-481-1900  
**Manufacturer's Name and Address:**  
 Multi-Clean®  
 600 Cardigan Road  
 Shoreview, MN 55126

**SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS**  
**Hazardous Components (Specific Chemical Identity):**

Chemical	Common Name(s)	%
A	Quaternary Ammonium Chloride Surfactants CAS #68424-85-1	1.97
B	Isopropanol CAS #67-63-0	1 - 5
C	Alcohol Ethoxylates CAS #34398-01-1	1 - 5
D	Pine Oil CAS #8002-09-3	1 - 5
E	Water CAS #7732-18-5	60 - 100

**SECTION III - HAZARDS IDENTIFICATION**  
**Emergency Overview**  
**Appearance and Odor:** Amber Liquid, Pine Scent.  
**Primary Hazards:** Flammable, Irritant.  
**Potential Health Hazards**  
**Route(s) of Entry:** Skin Absorption: X Ingestion: Inhalation: X  
**Eye:** May cause burns if contact occurs.  
**Skin:** May cause burns if contact occurs.  
**Ingestion:** May be harmful if swallowed.  
**Inhalation:** Overexposure to vapors may be harmful.  
**Signs and Symptoms of Exposure:** Irritation and/or burning sensation on contact.  
**Carcinogenicity:** NTP? No IARC Monographs? No  
**OSHA Regulated?** No  
**Target Organ (s):**  
**Medical Conditions Generally Aggravated by Exposure:** N. Av.  
**Health Hazards, Chronic:** N. Av.

**SECTION IV - FIRST AID MEASURES**  
**Emergency and First Aid Procedures:**  
**IF IN 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.  
**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 minutes. **IF SWALLOWED:** 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.  
 Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor or going for treatment.  
**Sources Used:** Raw material data, general toxicology from the trade for similar products, EPA approved label.

**SECTION V - FIRE FIGHTING MEASURES**  
**Flammability:** Flammable **Autoignition Temperature:** N. Av.  
**Flash Point (method used):** 110°F Tcc  
**Flammable Limits:** N. Av. LEL UEL  
**Extinguishing Media**  
 Water? Foam? Water Fog? X  
 Alcohol Foam? X CO2? X Dry Chemical? X  
 Vaporizing Liquid? X Other?  
**Special Fire Fighting Procedures:** N. Av.  
**Unusual Fire and Explosion Hazards:** N. Av.  
**TDG Flammability Classification:** 3.3  
**Sensitivity to Mechanical Impact:** None  
**Sensitivity to Static Discharge:** Ignitable above flashpoint.

**SECTION VI - ACCIDENTAL RELEASE MEASURES**  
**Steps to be Taken in Case Material is Released or Spilled:**  
 Dike and contain spill with inert material (sand, earth, etc). Collect spill with mop, absorbent material (example: floor-dri) or vacuum. Thoroughly rinse affected area with water.

**SECTION VII - HANDLING AND STORAGE**  
**Precautions to be Taken in Handling and Storing:**  
 Do not contaminate food or water by storage or disposal. Store only in original containers. See label instructions for container disposal. Do not reuse empty container.  
**Other Precautions:** Keep out of reach of children. Do not breathe spray mist.

**SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION**  
**Respiratory Protection (Specify Types):** Not required. Dust/mist respirator is recommended to prevent inhalation of mists when spraying cleaning chemicals.  
**Ventilation:** Local Exhaust: Not required Special: Not required  
**Mechanical (General):** Provide ventilation adequate to disperse cleaner vapors and or mists. Other: Not required  
**Protective Gloves:** Natural rubber or synthetic.

**Eye Protection:** Approved safety goggles or glasses. **Footwear:** Not required  
**Other Protective Clothing or Equipment:** Not required  
**Work/Hygiene Practices:** Do not contaminate food or beverages with cleaning chemicals.

**SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS**  
**Boiling Point:** Approximately 212°F **pH:** 7 - 8  
**Specific Gravity (H2O) = 1:** .992 **% Volatile:** 60 - 100  
**Vapor Density (Air = 1):** < 1 **Odor Threshold:** N. Av.  
**Evaporation Rate (Butyl Acetate = 1):** N. Av. **Oil/Water Distribution Coefficient:** N. Av.  
**Solubility in Water:** Complete **Melting Point:** N. Av.  
**Vapor Pressure (MM HG):** N. Av.

**SECTION X - STABILITY AND REACTIVITY**  
**Stability:** Unstable: Stable: X  
**Conditions to Avoid:** N. Av.  
**Incompatibility (materials to avoid):** Do not mix with other cleaners or deodorants.  
**Hazardous Decomposition or By-products:** N. Av.  
**Hazardous Polymerization:** May occur: Will not occur: X  
**Conditions to Avoid:** N. Av.

**SECTION XI - TOXICOLOGICAL INFORMATION**

Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50
A	N. Av.	N. Av.	N. Av.	.34 ml/kg* (rat, oral)	2.8 ml/kg* (rat, oral)
B	400 ppm	400 ppm	N. Av.	5,480 mg/kg (rat, oral)	12,000 ppm (rat, 8 hr.)
C	N. Av.	N. Av.	N. Av.	0.7 - 1.7 gm/kg (rat, oral)	N. Av.
D	N. Av.	N. Av.	N. Av.	N. Av.	N. Av.
E	N. Av.	N. Av.	N. Av.	N. Av.	N. Av.

\* Estimate based on closely related material.  
**Teratogen, Mutagen, Reproductive Toxin Status:** No  
**Toxicologically Synergistic Products:** N. Av.

**SECTION XII - ECOLOGICAL INFORMATION**  
**Ecotoxicological Information:** N. Av.  
**Chemical Fate Information:** N. Av.

**SECTION XIII - DISPOSAL CONSIDERATIONS**  
**Waste Disposal Method:**  
 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 nearest EPA Regional office for guidance.  
**RCRA Hazard Class:** Regulated by FIFRA

**SECTION XIV - TRANSPORT INFORMATION**  
**Shipping Classification:** Flammable liquid, NOS (containing isopropanol), class 3  
**UN Number:** 1993  
**Packing Group:** III

**SECTION XV - PREPARATION DATA**  
**Prepared By:** Mike Elms  
**Telephone Number:** 651-481-1900  
**Date:** 12-09

**SECTION XVI - REGULATORY INFORMATION**  
**US Federal Regulations**  
**TSCA Status:** All ingredients listed.  
**CERCLA Reportable Quality:** N. Av.  
**SARA Title III**  
**Section 302 Extremely Hazardous Chemicals:** None  
**Section 311/312 Hazard Category:** Immediate health hazard  
**Section 313 Toxic Chemicals:** None  
**State Regulations**  
**International Regulations**  
**WHMIS Controlled Product Hazard Class:** E, B3

**SECTION XVII - OTHER INFORMATION**  
 N. Av. - Not Applicable; N. Av. - Not Available

**NFPA SYSTEM**  
 2 A. Health Hazard 2 A. Fire Hazard 0 A. Reactivity Hazard

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# MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

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**SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION**  
**Identity (As Used on Label and List):** Pink Hand Cleaner  
**Product Class:** Soap solution  
**Emergency Telephone Number:** 800-255-3924  
**Telephone Number for Information:** 651-481-1900  
**Manufacturer's Name and Address:**  
 Multi-Clean®  
 600 Cardigan Road  
 Shoreview, MN 55126

**SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS**  
**Hazardous Components (Specific Chemical Identity):**

Chemical	Common Name(s)	%
A	Sodium Laureth Sulfate & Alkyl Polyglycoside Blend	2 - 8
B	Sodium Lauryl Sulfate CAS #68585-47-7	2 - 8
C	Lauramide DEA (mixture)	5 - 2
D	Cocamidopropyl Betaine CAS #61789-400	5 - 2
E	Sodium Chloride CAS #7647-14-5	1 - 5
C	Water CAS #7732-18-5	75 - 100

**SECTION III - HAZARDS IDENTIFICATION**  
**Emergency Overview**  
**Appearance and Odor:** Pink, opaque liquid, floral aroma.  
**Primary Hazards:** No effects expected.  
**Potential Health Hazards**  
**Route(s) of Entry:** Skin Absorption: Ingestion: X Inhalation:  
**Eye:** May cause eye irritation on contact.  
**Skin:** No effects expected.  
**Ingestion:** May be harmful if swallowed.  
**Inhalation:** No hazardous vapors.  
**Signs and Symptoms of Exposure:** May cause irritation to eyes on direct contact.  
**Carcinogenicity:** NTP? No IARC Monographs? No  
**OSHA Regulated?** No  
**Target Organ (s):** No additional data  
**Medical Conditions Generally Aggravated by Exposure:** Dermatitis  
**Health Hazards, Chronic:** N. Av.

**SECTION IV - FIRST AID MEASURES**  
**Emergency and First Aid Procedures:**  
**If Swallowed:** Drink water in large amounts and call a physician immediately. Never give anything by mouth to an unconscious person. **Eye Contact:** Flush eyes with running water for at least 15 minutes. If irritation persists, obtain medical attention. **Skin Contact:** Flush thoroughly with cool water. Remove and wash contaminated clothing before reuse.  
**Sources Used:** Raw material data, general toxicology from the trade for similar products.

**SECTION V - FIRE FIGHTING MEASURES**  
**Flammability:** No **Autoignition Temperature:** N. Ap.  
**Flash Point (method used):** None  
**Flammable Limits:** N. Ap. **LEL** **UEL**  
**Extinguishing Media:** N. Ap.  
**Water?** **Foam?** **Water Fog?**  
**Alcohol Foam?** **CO<sub>2</sub>?** **Dry Chemical?**  
**Vaporizing Liquid?** **Other?**  
**Special Fire Fighting Procedures:** N. Ap.  
**Unusual Fire and Explosion Hazards:** N. Av.  
**TDG Flammability Classification:** Non-flammable  
**Sensitivity to Mechanical Impact:** None  
**Sensitivity to Static Discharge:** None

**SECTION VI - ACCIDENTAL RELEASE MEASURES**  
**Steps to be Taken in Case Material is Released or Spilled:**  
 Dike and contain spill with inert material (sand, earth, etc). Collect spill with mop, absorbent material (example: floor-dri) or vacuum. Thoroughly rinse affected area with water.

**SECTION VII - HANDLING AND STORAGE**  
**Precautions to be Taken in Handling and Storing:**  
 Normal care in handling and storage.  
**Other Precautions:** Keep out of reach of children. Keep from freezing.

**SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION**  
**Respiratory Protection (Specify Types):** Not required  
**Ventilation:** Local Exhaust: Not required **Special:** Not required  
**Mechanical (General):** Not required **Other:** Not required  
**Protective Gloves:** Not required  
**Eye Protection:** Approved safety goggles or glasses. **Footwear:** Not required  
**Other Protective Clothing or Equipment:** Not required  
**Work/Hygiene Practices:** Do not contaminate food or beverages with cleaning chemicals.

**SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS**  
**Boiling Point:** Approximately 212°F **pH:** 7.5  
**Specific Gravity (H<sub>2</sub>O) = 1:** 1.027 **Volatle:** > 85  
**Vapor Density (Air = 1):** N. Av. **Odor Threshold:** N. Av.  
**Evaporation Rate (Butyl Acetate = 1):** N. Av. **Oil/Water Distribution**  
**Solubility in Water:** Complete **Coefficient:** N. Av.  
**Vapor Pressure (MM HG):** N. Av.  
**Melting Point:** N. Ap.

**SECTION X - STABILITY AND REACTIVITY**  
**Stability:** Unstable: Stable: X  
**Conditions to Avoid:** N. Ap.  
**Incompatibility (materials to avoid):** N. Av.  
**Hazardous Decomposition or By-products:** N. Av.  
**Hazardous Polymerization:** May occur: Will not occur: X  
**Conditions to Avoid:** N. Ap.

**SECTION XI - TOXICOLOGICAL INFORMATION**

Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50
A	N. Ap.	N. Ap.	N. Av.	N. Av.	N. Av.
B	N. Ap.	N. Ap.	N. Av.	<5 ml/kg (rat, oral)	N. Av.
C	N. Ap.	N. Ap.	N. Av.	N. Av.	N. Av.
D	N. Ap.	N. Ap.	N. Av.	N. Av.	N. Av.
E	N. Ap.	N. Ap.	N. Av.	N. Av.	N. Av.
F	N. Ap.	N. Ap.	N. Ap.	N. Av.	N. Ap.

**Teratogen, Mutagen, Reproductive Toxin Status:** No  
**Toxicologically Synergistic Products:** N. Av.

**SECTION XII - ECOLOGICAL INFORMATION**  
**Ecotoxicological Information:** N. Av.  
**Chemical Fate Information:** N. Av.

**SECTION XIII - DISPOSAL CONSIDERATIONS**  
**Waste Disposal Method:**  
 Dispose of spilled material in accordance with local, state and federal regulations. Waste from normal cleaning procedures may be sewerred, depending on the materials and/or contaminants being cleaned as well as state, federal and local sewer commission regulations.  
**RCRA Hazard Class:** None

**SECTION XIV - TRANSPORT INFORMATION**  
**Shipping Classification:** Compound, cleaning liquid, N.O.I.  
**UN Number:** N. Ap.  
**Packing Group:** N. Ap.

**SECTION XV - PREPARATION DATA**  
**Prepared By:** Ron Camp  
**Telephone Number:** 651-481-1900  
**Date:** 4-12

**SECTION XVI - REGULATORY INFORMATION**  
**US Federal Regulations**  
**TSCA Status:** All ingredients listed.  
**CERCLA Reportable Quality:** None  
**SARA Title III**  
**Section 302 Extremely Hazardous Chemicals:** None  
**Section 311/312 Hazard Category:** None  
**Section 313 Toxic Chemicals:** Diethanolamine  
**State Regulations**  
**International Regulations**  
**WHMIS Controlled Product Hazard Class:** N. Ap.

**SECTION XVII - OTHER INFORMATION**  
 None  
 N. Ap. - Not Applicable; N. Av. - Not Available

**NFPA SYSTEM**  
1 A. Health Hazard 0 A. Fire Hazard 0 A. Reactivity Hazard

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE, HOWEVER NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. MINUTEMAN INTERNATIONAL, INC. ASSUMES NO RESPONSIBILITY FOR PERSONAL INJURY OR PROPERTY DAMAGE TO VENDEES, USERS OR THIRD PARTIES CAUSED BY THE MATERIAL. SUCH VENDEES OR USERS ASSUME ALL RISKS ASSOCIATED WITH THE USE OF THE MATERIAL.

# MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

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## SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Identify (As Used on Label and List): 13 Extraction Cleaner  
Product Class: Water-based carpet cleaner  
Emergency Telephone Number: 800-255-3924  
Telephone Number for Information: 651-481-1900  
Manufacturer's Name and Address:  
Multi-Clean®  
600 Cardigan Road  
Shoreview, MN 55126

## SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components (Specific Chemical Identity):

Chemical	Common Name(s)	%
A	Sodium carbonate CAS #497-19-8	7 - 13
B	Tetrasodium EDTA CAS #64-02-8	1 - 5
C	Alkylated naphthalene sulfonate mixture (mixture)	10 - 30
D	Water CAS #7732-18-5	60 - 100

## SECTION III - HAZARDS IDENTIFICATION

**Emergency Overview**  
Appearance and Odor: Green liquid, floral aroma.  
Primary Hazards: Irritant

**Potential Health Hazards**  
Route(s) of Entry: Skin Absorption: Ingestion: Inhalation:  
Eye: May cause irritation on contact.  
Skin: May cause irritation on contact.  
Ingestion: May be harmful if swallowed.  
Inhalation: No unusual vapor hazards.  
Signs and Symptoms of Exposure: Irritation on direct contact.  
Carcinogenicity: NTP? No IARC Monographs? No  
OSHA Regulated? No  
Target Organ (s): Skin and eyes.  
Medical Conditions Generally Aggravated by Exposure: N. Av.  
Health Hazards, Chronic: N. Av.

## SECTION IV - FIRST AID MEASURES

**Emergency and First Aid Procedures:**  
If Swallowed: Drink water in large amounts and call a physician immediately. Never give anything by mouth to an unconscious person. Eye Contact: Flush eyes with running water for at least 15 minutes. If irritation persists, obtain medical attention. Skin Contact: Flush thoroughly with cool water. Remove and wash contaminated clothing before reuse.  
Sources Used: Raw material data, general toxicology from the trade for similar products.

## SECTION V - FIRE FIGHTING MEASURES

Flammability: No Autoignition Temperature: N. Av.  
Flash Point (method used): None  
Flammable Limits: N. Av. LEL UEL  
Extinguishing Media: N. Av.  
Water? Foam? Water Fog?  
Alcohol Foam? CO<sub>2</sub>? Dry Chemical?  
Vaporizing Liquid? Other?  
Special Fire Fighting Procedures: N. Av.  
Unusual Fire and Explosion Hazards: N. Av.  
TDG Flammability Classification: Non-flammable  
Sensitivity to Mechanical Impact: None  
Sensitivity to Static Discharge: None

## SECTION VI - ACCIDENTAL RELEASE MEASURES

Steps to be Taken in Case Material is Released or Spilled:  
Dike and contain spill with inert material (sand, earth, etc). Collect spill with mop, absorbent material (example: floor-dri) or vacuum. Thoroughly rinse affected area with water.

## SECTION VII - HANDLING AND STORAGE

Precautions to be Taken in Handling and Storing:  
Normal care in handling and storage.  
Other Precautions: Keep out of reach of children. Keep from freezing.

## SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection (Specify Types): Not required  
Ventilation: Local Exhaust: Not required Special: Not required  
Mechanical (General): Normal good ventilation sufficient.  
Other: Not required  
Protective Gloves: Natural rubber or synthetic.  
Eye Protection: Approved safety goggles or glasses. Footwear: Not required  
Other Protective Clothing or Equipment: Not required  
Work/Hygiene Practices: Do not contaminate food or beverages with cleaning chemicals.

## SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: Approximately 212°F (100°C) pH: 11.0 - 11.5  
Specific Gravity (H<sub>2</sub>O) = 1: 1.13 % Volatile: 60 - 100  
Vapor Density (Air = 1): N. Av. Odor Threshold: N. Av.  
Evaporation Rate (Butyl Acetate = 1): N. Av. Oil/Water Distribution  
Solubility in Water: Complete Coefficient: N. Av.  
Vapor Pressure (MM HG): N. Av.  
Melting Point: N. Av.

## SECTION X - STABILITY AND REACTIVITY

Stability: Unstable: Stable: X  
Conditions to Avoid: N. Av.  
Incompatibility (materials to avoid): N. Av.  
Hazardous Decomposition or By-products: N. Av.  
Hazardous Polymerization: May occur: Will not occur: X  
Conditions to Avoid: N. Av.

## SECTION XI - TOXICOLOGICAL INFORMATION

Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50
A	N. Av.	N. Av.	N. Av.	4,500 mg/kg (rat, oral)	N. Av.
B	N. Av.	N. Av.	N. Av.	> 2,000 mg/kg (rat, oral)	N. Av.
C	N. Av.	N. Av.	N. Av.	3,400 mg/kg (rat, oral)	N. Av.
D	None	None	N. Av.	N. Av.	N. Av.

Teratogen, Mutagen, Reproductive Toxin Status: N. Av.  
Toxicologically Synergistic Products: N. Av.

## SECTION XII - ECOLOGICAL INFORMATION

Ecotoxicological Information: N. Av.  
Chemical Fate Information: N. Av.

## SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method:  
Dispose of spilled material in accordance with local, state and federal regulations. Waste from normal cleaning procedures may be sewer, depending on the materials and/or contaminants being cleaned as well as state, federal and local sewer commission regulations.  
RCRA Hazard Class: None

## SECTION XIV - TRANSPORT INFORMATION

Shipping Classification: Compound, cleaning liquid, N.O.I.  
UN Number: N. Av.  
Packing Group: N. Av.

## SECTION XV - PREPARATION DATA

Prepared By: Ron Camp  
Telephone Number: 651-481-1900  
Date: 4-12

## SECTION XVI - REGULATORY INFORMATION

US Federal Regulations  
TSCA Status: All ingredients listed.  
CERCLA Reportable Quality: None  
SARA Title III  
Section 302 Extremely Hazardous Chemicals: None  
Section 311/312 Hazard Category: Immediate health.  
Section 313 Toxic Chemicals: None  
State Regulations

## International Regulations

WHMIS Controlled Product Hazard Class: D2B

## SECTION XVII - OTHER INFORMATION

None

N. Av. - Not Applicable; N. Av. - Not Available

## NFPA SYSTEM

1 A. Health Hazard 0 A. Fire Hazard 0 A. Reactivity Hazard

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# MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

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**SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION**  
 Identity (As Used on Label and List): Defoamer  
 Product Class: Silicone oil emulsion  
 Emergency Telephone Number: 800-255-3924  
 Telephone Number for Information: 651-481-1900  
 Manufacturer's Name and Address:  
 Multi-Clean®  
 600 Cardigan Road  
 Shoreview, MN 55126

**SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS**  
 Hazardous Components (Specific Chemical Identity):

Chemical	Common Name(s)	%
A	Emulsified silicone oil (proprietary)	1 - 5
B	Water	60 - 100

CAS #7732-18-5

**SECTION III - HAZARDS IDENTIFICATION**  
 Emergency Overview  
 Appearance and Odor: Opaque/white slightly viscous liquid, mild aroma.  
 Primary Hazards: Non-hazardous in normal use.  
 Potential Health Hazards  
 Route(s) of Entry: Skin Absorption: Ingestion: X Inhalation:  
 Eye: No hazards known.  
 Skin: No hazards known.  
 Ingestion: No hazards known.  
 Inhalation: No hazards known.  
 Signs and Symptoms of Exposure: No effects expected.  
 Carcinogenicity: NTP? No IARC Monographs? No  
 OSHA Regulated? No  
 Target Organ (s): No additional data  
 Medical Conditions Generally Aggravated by Exposure: N. Av.  
 Health Hazards, Chronic: N. Av.

**SECTION IV - FIRST AID MEASURES**  
 Emergency and First Aid Procedures:  
 If Swallowed: Drink water in large amounts and call a physician immediately. Never give anything by mouth to an unconscious person. Eye Contact: Flush eyes with running water for at least 15 minutes. If irritation persists, obtain medical attention. Skin Contact: Wash thoroughly with cool water. Remove and wash contaminated clothing before reuse.  
 References Used: Raw material data, general toxicology from the trade for similar products.

**SECTION V - FIRE FIGHTING MEASURES**  
 Flammability: No Autoignition Temperature: N. Ap.  
 Flash Point (method used): None  
 Flammable Limits: N. Ap. LEL UEL  
 Extinguishing Media N. Ap.  
 Water? Foam? Water Fog?  
 Alcohol Foam? CO2? Dry Chemical?  
 Vaporizing Liquid? Other?  
 Special Fire Fighting Procedures: N. Ap.  
 Unusual Fire and Explosion Hazards: N. Av.  
 TDG Flammability Classification: Non-flammable  
 Sensitivity to Mechanical Impact: None  
 Sensitivity to Static Discharge: None

**SECTION VI - ACCIDENTAL RELEASE MEASURES**  
 Steps to be Taken in Case Material is Released or Spilled:  
 Dike and contain spill with inert material (sand, earth, etc). Collect spill with mop, absorbent material (example: floor-dri) or vacuum. Thoroughly rinse affected area with water.

**SECTION VII - HANDLING AND STORAGE**  
 Precautions to be Taken in Handling and Storing:  
 Normal care in handling and storage.  
 Other Precautions: Keep out of reach of children. Keep from freezing.

**SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION**  
 Respiratory Protection (Specify Types): Not required  
 Ventilation: Local Exhaust: Not required Special: Not required  
 Mechanical (General): Normal good ventilation sufficient.  
 Other: Not required  
 Protective Gloves: Natural rubber or synthetic.  
 Eye Protection: Approved safety goggles or glasses. Footwear: Not required  
 Other Protective Clothing or Equipment: Not required  
 Work/Hygenic Practices: Do not contaminate food or beverages with cleaning chemicals.

**SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS**  
 Boiling Point: Approximately 212°F (100°C) pH: 6-8  
 Specific Gravity (H2O) = 1: 1.00 % Volatile: > 90  
 Vapor Density (Air = 1): N. Av. Odor Threshold: N. Av.  
 Evaporation Rate (Butyl Acetate = 1): N. Av. Oil/Water Distribution  
 Solubility in Water: Complete Coefficient: N. Av.  
 Vapor Pressure (MM HG): N. Av.  
 Melting Point: N. Ap.

**SECTION X - STABILITY AND REACTIVITY**  
 Stability: Unstable: Stable: X  
 Conditions to Avoid: N. Ap.  
 Incompatibility (materials to avoid): N. Av.  
 Hazardous Decomposition or By-products: N. Av.  
 Hazardous Polymerization: May occur: Will not occur: X  
 Conditions to Avoid: N. Ap.

**SECTION XI - TOXICOLOGICAL INFORMATION**

Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50
A	None	None	N. Av.	N. Av.	N. Av.
B	None	None	N. Av.	N. Av.	N. Av.

Teratogen, Mutagen, Reproductive Toxin Status: No  
 Toxicologically Synergistic Products: N. Av.

**SECTION XII - ECOLOGICAL INFORMATION**  
 Biodegradation Properties: N. Av.  
 Ecotoxicological Information: N. Av.  
 Chemical Fate Information: N. Av.

**SECTION XIII - DISPOSAL CONSIDERATIONS**  
 Waste Disposal Method:  
 Dispose of spilled material in accordance with local, state and federal regulations. Waste from normal cleaning procedures may be sewer, depending on the materials and/or contaminants being cleaned as well as state, federal and local sewer commission regulations.  
 RCRA Hazard Class: None

**SECTION XIV - TRANSPORT INFORMATION**  
 Shipping Classification: Compound, cleaning liquid, N.O.I.  
 UN Number: N. Ap.  
 Packing Group: N. Ap.

**SECTION XV - PREPARATION DATA**  
 Prepared By: Ron Camp  
 Telephone Number: 651-481-1900  
 Date: 4-12

**SECTION XVI - REGULATORY INFORMATION**  
 US Federal Regulations  
 TSCA Status: All ingredients listed.  
 CERCLA Reportable Quality: None  
 SARA Title III  
 Section 302 Extremely Hazardous Chemicals: None  
 Section 311/312 Hazard Category: None  
 Section 313 Toxic Chemicals: None  
 State Regulations

International Regulations  
 WHMIS Controlled Product Hazard Class: N. Ap.

**SECTION XVII - OTHER INFORMATION**  
 None  
 N. Ap. - Not Applicable; N. Av. - Not Available

**NFPA SYSTEM**  
 1 A. Health Hazard 0 A. Fire Hazard 0 A. Reactivity Hazard

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# MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

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## SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Identity (As Used on Label and List): Odor-Rite Tropical (Concentrate)  
Product Class: Water-Based Malodor Counteractant  
Emergency Telephone Number: 800-255-3924  
Telephone Number for Information: 651-481-1900  
Manufacturer's Name and Address  
Multi-Clean®  
600 Cardigan Road  
Shoreview, MN 55126

## SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

### Hazardous Components (Specific Chemical Identity):

Chemical	Common Name(s)	%
A	Alcohol Ethoxylates CAS #34398-01-1	3 - 7
B	Fragrance Oil (proprietary)	1 - 5
C	Deodorant (proprietary)	1 - 5
D	Water CAS #7732-18-5	60 - 100

## SECTION III - HAZARDS IDENTIFICATION

### Emergency Overview

Appearance and Odor: Purple liquid, Tropical Citrus Fragrance.

Primary Hazards: No hazardous effects known.

### Potential Health Hazards

Route(s) of Entry: Skin Absorption: Ingestion: Inhalation:

Eye: May cause irritation on contact.

Skin: May cause irritation on prolonged or repeated contact.

Ingestion: May be harmful if swallowed.

Inhalation: No hazards known.

Signs and Symptoms of Exposure: May cause irritation on direct contact.

Carcinogenicity: NTP? No IARC Monographs? No

OSHA Regulated? No

Target Organ(s): No additional data.

Medical Conditions Generally Aggravated by Exposure: N. Av.

Health Hazards, Chronic: N. Av.

## SECTION IV - FIRST AID MEASURES

### Emergency and First Aid Procedures:

Swallowed: If person can swallow, give several glasses of water. Obtain immediate medical attention. Eye Contact: Flush eyes with running water for at least 15 minutes. If irritation persists, obtain medical attention. Skin Contact: Flush thoroughly with cool water. Remove and wash contaminated clothing before reuse. Inhalation: Remove to fresh air. If irritation persists, obtain medical attention. Sources Used: Raw material data, general toxicology from the trade for similar products.

## SECTION V - FIRE FIGHTING MEASURES

Flammability: No Autoignition Temperature: N. Av.

Flash Point (method used): None

Flammable Limits: N. Av. LEL UEL

Extinguishing Media: N. Av.

Water? Foam? Water Fog?  
Alcohol Foam? CO<sub>2</sub>? Dry Chemical?  
Vaporizing Liquid? Other?

Special Fire Fighting Procedures: N. Av.

Unusual Fire and Explosion Hazards: N. Av.

TDG Flammability Classification: Non-flammable

Sensitivity to Mechanical Impact: None

Sensitivity to Static Discharge: None

## SECTION VI - ACCIDENTAL RELEASE MEASURES

### Steps to be Taken in Case Material is Released or Spilled:

Dike and contain spill with inert material (sand, earth, etc). Collect spill with mop, absorbent material (example: floor-dri) or vacuum. Thoroughly rinse affected area with water.

## SECTION VII - HANDLING AND STORAGE

### Precautions to be Taken in Handling and Storing:

Normal care in handling and storage.

Other Precautions: Keep out of reach of children. Keep from freezing.

## SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection (Specify Types): Not required

Ventilation: Local Exhaust: Not required Special: Not required

Mechanical (General): Normal good ventilation sufficient.

Other: Not required

Protective Gloves: Natural rubber or synthetic.

Eye Protection: Approved safety goggles or glasses. Footwear: Not required

Other Protective Clothing or Equipment: Not required

Work/Hygienic Practices: Do not contaminate food or beverages with cleaning chemicals.

## SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: Approximately 212°F (100°F) pH: 6 - 8  
Specific Gravity (H<sub>2</sub>O) = 1: 1.00 % Volatile: > 85  
Vapor Density (Air = 1): N. Av. Odor Threshold: N. Av.  
Evaporation Rate (Butyl Acetate = 1): N. Av. Oil/Water Distribution  
Solubility in Water: Complete Coefficient: N. Av.  
Vapor Pressure (MM HG): N. Av.  
Melting Point: N. Av.

## SECTION X - STABILITY AND REACTIVITY

Stability: Unstable: Stable: X  
Conditions to Avoid: N. Av.  
Incompatibility (materials to avoid): N. Av.  
Hazardous Decomposition or By-products: N. Av.  
Hazardous Polymerization: May occur: Will not occur: X  
Conditions to Avoid: N. Av.

## SECTION XI - TOXICOLOGICAL INFORMATION

Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50
A	N. Av.	N. Av.	N. Av.	2,100 mg/kg (rat, oral)	> 200 mg/L (rat, 1 hr.)
B	None	None	N. Av.	N. Av.	N. Av.
C	N. Av.	N. Av.	N. Av.	>19,000 mg/kg	>200 m
D	None	None	N. Av.	N. Av.	N. Av.

Teratogen, Mutagen, Reproductive Toxin Status: No

Toxicologically Synergistic Products: N. Av.

## SECTION XII - ECOLOGICAL INFORMATION

Biodegradation Properties: N. Av.

Ecotoxicological Information: N. Av.

Chemical Fate Information: N. Av.

## SECTION XIII - DISPOSAL CONSIDERATIONS

### Waste Disposal Method:

Dispose of spilled material in accordance with local, state and federal regulations. Waste from normal cleaning procedures may be sewer, depending on the materials and/or contaminants being cleaned as well as state, federal and local sewer commission regulations.

RCRA Hazard Class: None

## SECTION XIV - TRANSPORT INFORMATION

Shipping Classification: Compound, cleaning liquid, N.O.I.

UN Number: N. Av.

Packing Group: N. Av.

## SECTION XV - PREPARATION DATA

Prepared By: Ron Camp

Telephone Number: 651-481-1900

Date: 4-12

## SECTION XVI - REGULATORY INFORMATION

### US Federal Regulations

TSCA Status: All ingredients listed.

CERCLA Reportable Quality: None

SARA Title III

Section 302 Extremely Hazardous Chemicals: None

Section 311/312 Hazard Category: None

Section 313 Toxic Chemicals: None

State Regulations

### International Regulations

WHMIS Controlled Product Hazard Class: N. Av.

## SECTION XVII - OTHER INFORMATION

None

N. Av. - Not Applicable; N. Av. - Not Available

## NFPA SYSTEM

1 A. Health Hazard 0 A. Fire Hazard 0 A. Reactivity Hazard

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# MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

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## SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Identify (As Used on Label and List): Odor-Rite Fresh (Concentrate)  
Product Class: Water-Based Malodor Counteractant  
Emergency Telephone Number: 800-255-3924  
Telephone Number for Information: 651-481-1900  
Manufacturer's Name and Address  
Multi-Clean®  
600 Cardigan Road  
Shoreview, MN 55128

## SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

### Hazardous Components (Specific Chemical Identity):

Chemical	Common Name(s)	%
A	Alcohol Ethoxylates CAS #34398-01-1	1 - 5
B	Fragrance Oil (proprietary)	1 - 5
C	Deodorant (proprietary)	1 - 5
D	Isopropyl Alcohol CAS #67-63-0	1 - 5
E	Water CAS #7732-18-5	60 - 100

## SECTION III - HAZARDS IDENTIFICATION

### Emergency Overview

Appearance and Odor: Light Green Liquid, Fresh Linen Scent.

Primary Hazards: No hazardous effects known.

### Potential Health Hazards

Route(s) of Entry: Skin Absorption: Ingestion: Inhalation:  
Eye: May cause irritation on contact.  
Skin: May cause irritation on prolonged or repeated contact.  
Ingestion: May be harmful if swallowed.  
Inhalation: No hazards known.  
Signs and Symptoms of Exposure: May cause irritation on direct contact.  
Carcinogenicity: NTP? No IARC Monographs? No  
OSHA Regulated? No  
Target Organ(s): No additional data.  
Medical Conditions Generally Aggravated by Exposure: N. Av.  
Health Hazards, Chronic: N. Av.

## SECTION IV - FIRST AID MEASURES

### Emergency and First Aid Procedures:

If Swallowed: If person can swallow, give several glasses of water. Obtain immediate medical attention. Eye Contact: Flush eyes with running water for at least 15 minutes. If irritation persists, obtain medical attention. Skin Contact: Flush thoroughly with cool water. Remove and wash contaminated clothing before reuse. Inhalation: Remove to fresh air. If irritation persists, obtain medical attention.  
Sources Used: Raw material data, general toxicology from the trade for similar products.

## SECTION V - FIRE FIGHTING MEASURES

Flammability: No Autoignition Temperature: N. Av.  
Flash Point (method used): None  
Flammable Limits: N. Av. LEL UEL  
Extinguishing Media N. Av.  
Water? Foam? Water Fog?  
Alcohol Foam? CO2? Dry Chemical?  
Vaporizing Liquid? Other?  
Special Fire Fighting Procedures: N. Av.  
Unusual Fire and Explosion Hazards: N. Av.  
TDG Flammability Classification: Non-flammable  
Sensitivity to Mechanical Impact: None  
Sensitivity to Static Discharge: None

## SECTION VI - ACCIDENTAL RELEASE MEASURES

### Steps to be Taken in Case Material is Released or Spilled:

Dike and contain spill with inert material (sand, earth, etc). Collect spill with mop, absorbent material (example: floor-dri) or vacuum. Thoroughly rinse affected area with water.

## SECTION VII - HANDLING AND STORAGE

### Precautions to be Taken in Handling and Storing:

Normal care in handling and storage.  
Other Precautions: Keep out of reach of children. Keep from freezing.

## SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection (Specify Types): Not required  
Ventilation: Local Exhaust: Not required Special: Not required  
Mechanical (General): Normal good ventilation sufficient.  
Other: Not required  
Protective Gloves: Natural rubber or synthetic.  
Eye Protection: Approved safety goggles or glasses. Footwear: Not required  
Other Protective Clothing or Equipment: Not required  
Work/Hygiene Practices: Do not contaminate food or beverages with cleaning chemicals.

## SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: Approximately 212°F (100°F) pH: 6 - 8  
Specific Gravity (H2O) = 1: 1.00 % Volatile: > 85  
Vapor Density (Air = 1): N. Av. Odor Threshold: N. Av.  
Evaporation Rate (Butyl Acetate = 1): N. Av. Oil/Water Distribution  
Solubility in Water: Complete Coefficient: N. Av.  
Vapor Pressure (MM HG): N. Av.  
Melting Point: N. Av.

## SECTION X - STABILITY AND REACTIVITY

Stability: Unstable: Stable: X  
Conditions to Avoid: N. Av.  
Incompatibility (materials to avoid): N. Av.  
Hazardous Decomposition or By-products: N. Av.  
Hazardous Polymerization: May occur: Will not occur: X  
Conditions to Avoid: N. Av.

## SECTION XI - TOXICOLOGICAL INFORMATION

Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50
A	N. Av.	N. Av.	N. Av.	2,100 mg/kg (rat, oral)	> 200 mg/L (rat, 1 hr.)
B	None	None	N. Av.	N. Av.	N. Av.
C	N. Av.	N. Av.	N. Av.	>19,000 mg/kg	>200 m
D	400 ppm	400 ppm	N. Av.	5,840 mg/kg (rat, oral)	12,000 ppm (rat, 8 hr.)
E	None	None	N. Av.	N. Av.	N. Av.

Teratogen, Mutagen, Reproductive Toxin Status: No  
Toxicologically Synergistic Products: N. Av.

## SECTION XII - ECOLOGICAL INFORMATION

Biodegradation Properties: N. Av.  
Ecotoxicological Information: N. Av.  
Chemical Fate Information: N. Av.

## SECTION XIII - DISPOSAL CONSIDERATIONS

### Waste Disposal Method:

Dispose of spilled material in accordance with local, state and federal regulations. Waste from normal cleaning procedures may be sewer, depending on the materials and/or contaminants being cleaned as well as state, federal and local sewer commission regulations.  
RCRA Hazard Class: None

## SECTION XIV - TRANSPORT INFORMATION

Shipping Classification: Compound, cleaning liquid, N.O.I.  
UN Number: N. Av.  
Packing Group: N. Av.

## SECTION XV - PREPARATION DATA

Prepared By: Ron Camp  
Telephone Number: 651-481-1900  
Date: 4-12

## SECTION XVI - REGULATORY INFORMATION

### US Federal Regulations

TSCA Status: All ingredients listed.  
GERCLA Reportable Quality: None  
SARA Title III  
Section 302 Extremely Hazardous Chemicals: None  
Section 311/312 Hazard Category: None  
Section 313 Toxic Chemicals: None  
State Regulations

### International Regulations

WHMIS Controlled Product Hazard Class: N. Av.

## SECTION XVII - OTHER INFORMATION

None

N. Av. - Not Applicable; N. Av. - Not Available

## NFPA SYSTEM

1 A. Health Hazard 0 A. Fire Hazard 0 A. Reactivity Hazard

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**Material Safety Data Sheet**

according to ANSI Z400.1- 2004 and 29 CFR 1910.1200



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**DRANO® MAX PROFESSIONAL STRENGTH GEL CLOG REMOVER**

Version 2.0

Print Date 10/01/2012

Revision Date 09/13/2012

MSDS Number 350000001605  
SITE\_FORM Number  
30000000000000003608.001

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product information**

- Trade name : DRANO® MAX PROFESSIONAL STRENGTH GEL CLOG REMOVER
- Use of the Substance/Mixture : Drain Cleaner
- Company : S.C. Johnson & Son, Inc.  
1525 Howe Street  
Racine WI 53403-2236
- Emergency telephone number : 24 Hour Medical Emergency Phone: (866)231-5406  
24 Hour International Emergency Phone: (703)527-3887  
24 Hour Transport Emergency Phone: (800)424-9300

**2. HAZARDS IDENTIFICATION**

**Emergency Overview**

Appearance / Odor : natural colour / liquid / slight chlorine

**Immediate Concerns**

: Danger  
Corrosive  
CAUSES EYE AND SKIN BURNS  
Avoid contact with skin, eyes and clothing.  
HARMFUL OR FATAL IF SWALLOWED.  
Avoid breathing vapors, mist or gas.

**Potential Health Effects**

- Exposure routes : Eye, Skin, Inhalation, Ingestion.
- Eyes : Corrosive - causes irreversible eye damage.  
May cause blindness.
- Skin : Corrosive to skin  
Causes burns.
- Inhalation : Corrosive to respiratory system
- Ingestion : Causes severe digestive tract burns.
- Aggravated Medical Condition : Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc. may be more susceptible to irritating effects

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**Material Safety Data Sheet**

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Hazardous chemicals present at or above reportable levels as defined by OSHA 29 CFR 1910.1200 or the Canadian Controlled Products Regulations are listed in this table:

Chemical Name	CAS-No.	Weight percent
Sodium hypochlorite	7681-52-9	5.00 - 10.00
Sodium hydroxide	1310-73-2	1.00 - 5.00
Surfactant - Trade Secret	Mixture	1.00 - 5.00

For additional information on product ingredients, see [www.whatsinsidescjohnson.com](http://www.whatsinsidescjohnson.com).

**4. FIRST AID MEASURES**

- Eye contact : Protect unharmed eye. Remove contact lenses. Flush immediately with plenty of water for at least 15 to 20 minutes. Get medical attention immediately.
- Skin contact : Flush immediately with plenty of water for at least 15 to 20 minutes. Get medical attention immediately. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse.
- Inhalation : Remove to fresh air. If not breathing, give artificial respiration. Get medical attention immediately.
- Ingestion : If swallowed, 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.

**5. FIREFIGHTING MEASURES**

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific hazards during firefighting : Container may melt and leak in heat of fire.
- Special protective equipment for firefighters : Wear suitable protective clothing and gloves.
- Further information : Wear full protective clothing and positive pressure self-contained breathing apparatus. In case of fire and/or explosion do not breathe fumes.

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Lower explosion limit : Note: no data available

Upper explosion limit : Note: no data available

**6. ACCIDENTAL RELEASE MEASURES**

Personal precautions : Wear personal protective equipment.

Environmental precautions : Outside of normal use, avoid release to the environment.

Methods for cleaning up : Soak up with inert absorbent material.  
Sweep up and shovel into suitable containers for disposal.  
Dike large spills.  
Clean residue from spill site.

**7. HANDLING AND STORAGE**

**Handling**

Advice on safe handling : Avoid contact with skin, eyes and clothing.  
Avoid breathing vapors, mist or gas.  
For personal protection see section 8.  
Use only as directed.  
**KEEP OUT OF REACH OF CHILDREN AND PETS.**

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

**Storage**

Requirements for storage areas and containers : Keep container closed when not in use.  
Keep in a dry, cool and well-ventilated place.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Occupational Exposure Limits**

Components	CAS-No.	mg/m3	ppm	Non-standard units	Basis
Sodium hydroxide	1310-73-2	2 mg/m3	-	-	OSHA TWA
Sodium hydroxide	1310-73-2	2 mg/m3	-	-	ACGIH Ceiling

**Personal protective equipment**

- Respiratory protection** : Use only with adequate ventilation. Substantial amounts of mist/vapors can be controlled with local exhaust ventilation or respiratory protection.
- Hand protection** : Rubber gloves
- Eye protection** : Wear splash-resistant Chemical goggles.
- Skin and body protection** : Protective footwear.
- Hygiene measures** : Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

- Form** : liquid
- Color** : natural colour
- Odor** : slight chlorine
- pH** : 11.5 - 13.5
- Melting point** : no data available
- Boiling point** : 212 °F
- Freezing point** : no data available
- Evaporation rate** : no data available

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Auto-ignition temperature	:	no data available
Lower explosion limit	:	no data available
Upper explosion limit	:	no data available
Vapour pressure	:	no data available
Density	:	1.1 g/cm3
Water solubility	:	completely soluble
Partition coefficient: n-octanol/water	:	no data available
Viscosity, dynamic	:	1,000 cps
Volatile Organic Compounds Total VOC (wt. %)*	:	0 % - additional exemptions may apply *as defined by US Federal and State Consumer Product Regulations

**10. STABILITY AND REACTIVITY**

Conditions to avoid	:	Direct sources of heat.
Materials to avoid	:	Do not mix with acids or any other household products. May release dangerous gases (chlorine). Avoid contact with: Ammonia compounds. Rust remover. Strong acids
Hazardous decomposition products	:	Thermal decomposition can lead to release of irritating gases and vapours.
Hazardous reactions	:	If accidental mixing occurs and toxic gas is formed, exit area immediately. Do not return until well ventilated.

**11. TOXICOLOGICAL INFORMATION**

Acute oral toxicity	:	LD50 estimated > 5,000 mg/kg Causes severe digestive tract burns.
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- Acute inhalation toxicity : no data available
- Acute dermal toxicity : LD50  
estimated  
> 2,000 mg/kg
- Chronic effects**
- Carcinogenicity : no data available
- Mutagenicity : no data available
- Reproductive effects : no data available
- Teratogenicity : no data available
- Sensitisation : Not known to be a sensitizer.

**12. ECOLOGICAL INFORMATION**

- Ecotoxicity effects : no data available

**13. DISPOSAL CONSIDERATIONS**

Observe all applicable Federal, Provincial and State regulations and Local/Municipal ordinances regarding disposal.  
Consumer may discard empty container in trash, or recycle where facilities exist.

- RCRA waste class : D002 (Corrosive Waste)
- SCJ product category : LB: Liquid Bleach

**Material Safety Data Sheet**

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SITE\_FORM Number  
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**14. TRANSPORT INFORMATION**

**Land transport**

▪ **U.S. DOT and Canadian TDG Surface Transportation:**

Proper shipping name UN 1760 Corrosive Liquid, N.O.S.

Class: 8

UN number 1760

Packaging group: III

Note: Limited quantities derogation may be applicable to this product, please check transport documents.

**Sea transport**

▪ **IMDG:**

Proper shipping name UN 1760 Corrosive Liquid, N.O.S.

Class: 8

UN number: 1760

Packaging group: III

EmS: F-A, S-B

Note: Limited quantities derogation may be applicable to this product, please check transport documents.

**Air transport**

▪ **ICAO/IATA:**

Proper shipping name UN 1760 Corrosive Liquid, N.O.S.

Class: 8

UN/ID No.: UN 1760

Packaging group: III

Note: SC Johnson typically does not ship products via air. Refer to IATA/ICAO Dangerous Goods Regulations for detailed instructions when shipping this item by air.

**15. REGULATORY INFORMATION**

Notification status : All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

Notification status : All ingredients of this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).

California Prop. 65 : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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**Material Safety Data Sheet**

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MSDS Number 350000001605  
SITE\_FORM Number  
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: This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**16. OTHER INFORMATION**

**HMIS Ratings**

Health	3
Flammability	0
Reactivity	0

**NFPA Ratings**

Health	3
Fire	0
Reactivity	0
Special	-

**Further information**

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

Prepared by:	SC Johnson Global Safety Assessment & Regulatory Affairs (GSARA)
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**PURDUE**  
 UNIVERSITY

**Physical Facilities**

Search &gt; Detailed View

MSDS Date:	May 4, 1989
Chemical Name:	BLUE LUSTRE CARPET SHAMPOO
Possible Synonyms:	
Product:	Blue Lustre Carpet Shampoo
Manufacturer Name:	BLUE LUSTRE PRODUCTS, INC.
Trade Number:	
CAS Number:	
Specific to:	
Health:	1
Fire:	1
Reactivity:	1
Other:	
NFPA Hazard Rating:	1 1 BLUE LUSTRE CARPET SHAMPOO
Reactive Notes:	
PDF File:	3893.pdf

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Direct inquiries or comments to: Stephanle Rainey and Lila Albin  
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# MATERIAL SAFETY DATA SHEET

SSS Lemon Oil Furniture Polish

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** SSS Lemon Oil Furniture Polish

**Product Number:** 05151

**Product Use:** Polish

**Manufacturer/Supplier:** Triple S  
2 Executive Park Dr.  
Billerica, MA 01862

**Phone Number:** (978) 667-7900

**D.O.T. Emergency Phone:** 1-(888) 779-1339

**Date of Preparation:** September 29, 2010 **Revision #:** 2.0

## Section 2: HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

HMIS: See Section 15

### CAUTION

MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION. CONTENTS UNDER PRESSURE. CONTAINER MAY EXPLODE IF HEATED.

**Potential Health Effects:** See Section 11 for more information.

**Likely Routes of Exposure:** Skin contact, eye contact, inhalation, and ingestion.

- Eye:** May cause eye irritation.
- Skin:** May cause skin irritation.
- Ingestion:** Not a normal route of exposure. Harmful: may cause lung damage if swallowed.
- Inhalation:** May cause respiratory tract irritation. Vapours may cause drowsiness and dizziness. This product may be aspirated into the lungs and cause chemical pneumonitis.

**Chronic Effects:** Prolonged or repeated contact may dry skin and cause irritation.

**Signs and Symptoms:** Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Handling can cause dry skin.

**Medical Conditions Aggravated By Exposure:** Asthma. Allergies.

**Target Organs:** Skin, eyes, gastrointestinal tract, respiratory system.

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**Potential Environmental Effects:** May cause long-term adverse effects in the aquatic environment. See Section 12 for more information.

## Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS #	Wt. %
Distillates (petroleum), hydrotreated light	64742-47-8	7 - 13
Stoddard solvent	8052-41-3	3 - 7
n-Butane	106-97-8	3 - 7
Propane	74-98-6	1 - 5

MATERIAL SAFETY DATA SHEET  
SSS Lemon Oil Furniture Polish

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**Section 4: FIRST AID MEASURES**

- Eye Contact:** In case of contact, immediately flush eyes with plenty of water. If easy to do, remove contact lenses, if worn.
- Skin Contact:** 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.
- Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
- Ingestion:** If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.
- General Advice:** In case of accident or if you feel unwell, seek medical advice immediately (show the label or MSDS where possible).
- Note to Physicians:** Symptoms may not appear immediately.

**Section 5: FIRE FIGHTING MEASURES**

- Flammability:** Not flammable by OSHA criteria.
- Means of Extinction:**
- Suitable Extinguishing Media:** Powder, water spray, foam, carbon dioxide.
  - Unsuitable Extinguishing Media:** Not available.
- Products of Combustion:** May include, and are not limited to: oxides of carbon.
- Explosion Data:**
- Sensitivity to Mechanical Impact:** Not available.
  - Sensitivity to Static Discharge:** Not available.
- Protection of Firefighters:** Containers may explode when heated. 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:** Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition. Ruptured cylinders may rocket.
- Environmental Precautions:** Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). This material is a water pollutant. Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.
- Methods for Containment:** 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).
- Methods for Clean-Up:** Vacuum or sweep material and place in a disposal container. Allow gas to dissipate harmlessly into the atmosphere.
- Other Information:** Not available.

MATERIAL SAFETY DATA SHEET  
SSS Lemon Oil Furniture Polish

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**Section 7: HANDLING AND STORAGE**

**Handling:**

Keep away from sources of ignition. - No smoking. Avoid contact with skin and eyes. Do not swallow. Do not breathe gas/fumes/vapor/spray. Use only in well-ventilated areas. Handle and open container with care. When using, do not eat or drink. Wash hands before eating, drinking, or smoking.

**Storage:**

Keep out of the reach of children. Keep container in a well-ventilated place. Do not store at temperatures above 49°C / 120°F.

**Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure Guidelines**

<b>Ingredient</b>	<b>Exposure Limits OSHA-PEL</b>
Distillates (petroleum), hydrotreated light	100 ppm
Stoddard solvent	100 ppm
n-Butane	Not available.
Propane	1000 ppm

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

**Personal Protective Equipment:**

**HMIS:** See Section 15

**Eye/Face Protection:** Wear eye/face protection.

**Hand Protection:** Wear suitable gloves.

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

**Respiratory Protection:** In case of insufficient ventilation, wear suitable respiratory equipment.

**General Hygiene Considerations:** Handle according to established industrial hygiene and safety practices.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Opaque
<b>Color:</b>	White.
<b>Odour:</b>	Citrus.
<b>Odour Threshold:</b>	Not available.
<b>Physical State:</b>	Gas/Pressurized Liquid.
<b>pH:</b>	Not applicable.
<b>Viscosity:</b>	Not available.
<b>Freezing Point:</b>	Not available.
<b>Boiling Point:</b>	Not available.
<b>Flash Point:</b>	Not available.
<b>Evaporation Rate:</b>	Not available.
<b>Lower Flammability Limit:</b>	Not available.

MATERIAL SAFETY DATA SHEET  
SSS Lemon Oil Furniture Polish

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Upper Flammability Limit:	Not available.
Vapor Pressure:	Not available.
Vapor Density:	Not available.
Specific Gravity:	0.938 (Concentrate Only)
Solubility in Water:	Partial.
Coefficient of Water/Oil Distribution:	Not available.
Auto-ignition Temperature:	Not available.
Percent Volatile, wt. %:	Not available.
VOC content, wt. %:	16.5% (US federal/CARB/OTC/LADCO)

**Section 10: STABILITY AND REACTIVITY**

**Stability:** Stable under normal storage conditions. Contents under pressure. Container may explode if heated. Do not puncture. Do not burn. Keep in a cool place.

**Conditions of Reactivity:** Heat. Incompatible materials.

**Incompatible Materials:** Oxidizers.

**Hazardous Decomposition Products:** May include, and are not limited to: oxides of carbon.

**Possibility of Hazardous Reactions:** No dangerous reaction known under conditions of normal use.

**Section 11: TOXICOLOGY INFORMATION**

**EFFECTS OF ACUTE EXPOSURE**

**Component Analysis**

Ingredient	LD <sub>50</sub> (oral)	LC <sub>50</sub>
Distillates (petroleum), hydrotreated light	> 5000 mg/kg, rat	> 5.2 mg/L 4hr, rat
Stoddard solvent	> 5000 mg/kg, rat	> 5500 mg/m <sup>3</sup> 4hr, rat
n-Butane	Not available.	658 mg/L 4hr, rat
Propane	Not available.	658 mg/L 4hr, rat

**Eye:** May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

**Skin:** May cause skin irritation. Handling can cause dry skin.

**Ingestion:** Not a normal route of exposure. Harmful: may cause lung damage if swallowed.

**Inhalation:** May cause respiratory tract irritation. Vapours may cause drowsiness and dizziness. This product may be aspirated into the lungs and cause chemical pneumonitis.

**EFFECTS OF CHRONIC EXPOSURE**

**Target Organs:** Not available.

**Chronic Effects:** Not hazardous by OSHA criteria.

**Carcinogenicity:** Not hazardous by OSHA criteria.

**MATERIAL SAFETY DATA SHEET**  
SSS Lemon Oil Furniture Polish

*16e*

<b>Ingredient</b>	<b>Chemical Listed as Carcinogen or Potential Carcinogen *</b>
Distillates (petroleum), hydrotreated light	I -3, G-A3
Stoddard solvent	Not listed.
n-Butane	Not listed.
Propane	Not listed.

\* See Section 15 for more information.

**Mutagenicity:** Not hazardous by OSHA criteria.

**Reproductive Effects:** Not hazardous by OSHA criteria.

**Developmental Effects:**

**Teratogenicity:** Not hazardous by OSHA criteria.

**Embryotoxicity:** Not hazardous by OSHA criteria.

**Respiratory Sensitization:** Not hazardous by OSHA criteria.

**Skin Sensitization:** Not hazardous by OSHA criteria.

**Toxicologically Synergistic Materials:** Not available.

**Section 12: ECOLOGICAL INFORMATION**

**Ecotoxicity:** May cause long-term adverse effects in the aquatic environment

**Persistence / Degradability:** Not available.

**Bioaccumulation / Accumulation:** Not available.

**Mobility in Environment:** Not available.

**Section 13: DISPOSAL CONSIDERATIONS**

**Disposal Instructions:**

This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

**Section 14: TRANSPORTATION INFORMATION**

**DOT Classification**

ORM-D

**Section 15: REGULATORY INFORMATION**

**Federal Regulations**

**US:** MSDS prepared pursuant to the Hazard Communication Standard (29 CFR 1910.1200).

**SARA Title III**

<b>Ingredient</b>	<b>Section 302 (EHS) TPQ (lbs.)</b>	<b>Section 304 EHS RQ (lbs.)</b>	<b>CERCLA RQ (lbs.)</b>	<b>Section 313</b>
Distillates (petroleum), hydrotreated light	Not listed.	Not listed.	Not listed.	Not listed.
Stoddard solvent	Not listed.	Not listed.	Not listed.	Not listed.
n-Butane	Not listed.	Not listed.	Not listed.	Not listed.
Propane	Not listed.	Not listed.	Not listed.	Not listed.

(16) F

**MATERIAL SAFETY DATA SHEET**  
SSS Lemon Oil Furniture Polish

**State Regulations**

**California Proposition 65:**

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**Global Inventories**

**Ingredient**

Distillates (petroleum), hydrotreated light  
Stoddard solvent  
n-Butane  
Propane

**USA  
TSCA**  
Yes.  
Yes.  
Yes.  
Yes.

**HMIS - Hazardous Materials Identification System**

Health - 2      Flammability - 1      Physical Hazard - 0      PPE - B

**NFPA - National Fire Protection Association:**

Health - 2      Fire - 1      Reactivity - 0

**Hazard Rating:** 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

**SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:**

**OSHA (O)** Occupational Safety and Health Administration.

**ACGIH (G)** American Conference of Governmental Industrial Hygienists.

- A1 - Confirmed human carcinogen.
- A2 - Suspected human carcinogen.
- A3 - Animal carcinogen.
- A4 - Not classifiable as a human carcinogen.
- A5 - Not suspected as a human carcinogen.

**IARC (I)** International Agency for Research on Cancer.

- 1 - The agent (mixture) is carcinogenic to humans.
- 2A - The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.
- 2B - The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.
- 3 - The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.
- 4 - The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.

**NTP (N)** National Toxicology Program.

- 1 - Known to be carcinogens.
- 2 - Reasonably anticipated to be carcinogens.

**Section 16: OTHER INFORMATION**

**Disclaimer:**

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

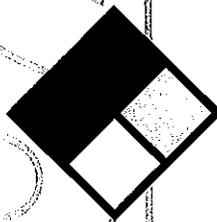
**Prepared by:** Nexreg Compliance Inc.

**Prepared for:** Triple S

Phone: (978) 667-7900

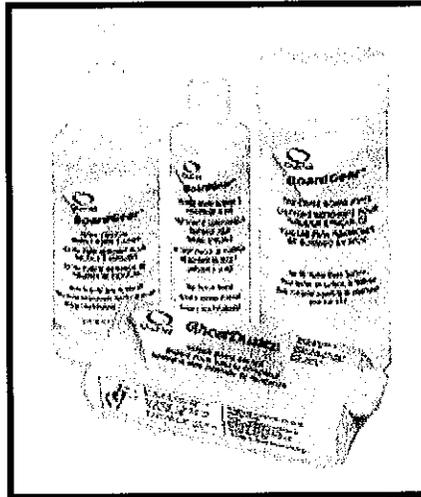
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# MSPDS



## MATERIAL SAFETY DATA SHEET:

### Quartet® Markerboard Cleaners and Erasers





# Board Gear Extra Strength Marker Board Cleaner



Commercial &  
Consumer Group  
Skokie, IL 60077  
www.gbc.com  
Made in U.S.A.

## Material Safety Data Sheet

Page 1 of 4

### 1. Product and Company Identification

**Supplier**

General Binding Corporation  
5700 Old Orchard Road  
Skokie, IL 60077  
Telephone: 800-541-0094  
FAX: 847-965-0622  
Website: www.GBC.com

**Manufacturer**

J. Penner Corp.  
17 Weldon Road  
Doylestown, PA 18901  
Telephone: 215-340-9700  
FAX: 215-340-9704

**Supplier Emergency Contact & Phone Number**

None Given

**Manufacturer Emergency Contact & Phone Number**

InfoTrac: 800-535-5053

**Issue Date:** 11/01/2004

**Product Name:** Quartet Board Gear Marker Board Cleaner

**Chemical Family:** Aqueous Mixture

**MSDS Number:** 081293Q16

**Revision:** 15

**Product Part Number:** 550

### 2. Composition/Information On Ingredients

Ingredient Name	CAS Number	Percentage of Total Weight
Water	7732-18-5	93.5 %
Glycol Ether EB	111-76-2	2.5 %
Benzyl Alcohol	100-51-6	2.0 %
Trisodium Phosphate	7601-54-9	1.5 %
Polytergent B-300	26027-38-3	0.5 %

### 3. Hazards Identification

**Eye Hazards**

Eye Irritant

**Ingestion Hazards**

May be harmful if swallowed

**WARNING MAY BE HARMFUL IF SWALLOWED. EYE IRRITANT**

**PRECAUTIONS** Wash hands immediately after use. When using do not eat, drink, or smoke. Keep away from eyes.  
**KEEP OUT OF REACH OF CHILDREN.**



**Board Gear  
Extra Strength  
Marker Board Cleaner**



Commercial &  
Consumer Group  
Skokie, IL 60077  
www.gbc.com  
Made in U.S.A.

## Material Safety Data Sheet

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### 4. First Aid Measures

#### **Eye**

If eye contact occurs, rinse with tap water for 5 – 10 minutes. If irritation persists, seek medical care. For further health information, contact the Rocky Mountain Poison Control Center at 1-303-739-1110.

### 5. Fire Fighting Measures

**Flash Point:** N/A – Non Flammable

**Auto Ignition Point:** N/A

**Lower Explosive Limit:** N/A

**Upper Explosive Limit:** N/A

#### **Fire and Explosion Hazards**

None

#### **Extinguishing Media**

Not Applicable

#### **Fire Fighting Instructions**

Not Applicable

### 6. Accidental Release Information

For spills or leakage flush with water.

### 7. Handling and Storage

#### **Handling and Storage Precautions**

Do not store near flames or elevated temperatures

### 8. Exposure Controls / Personal Protection

#### **Engineering Controls**

Local exhaust recommended.

#### **Eye/Face Protection**

Safety Glasses / Goggles

#### **Skin Protection**

Avoid skin contact. Use protective gloves to avoid possible skin irritation.

#### **Respiratory Protection**

None usually required

#### **Other / General Protection**

Wash hands thoroughly after handling.



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Commercial &  
Consumer Group  
Skokie, IL 60077  
www.gbc.com  
Made in U.S.A.



# Board Gear Extra Strength Marker Board Cleaner

## Material Safety Data Sheet

### 8. Exposure Controls / Personal Protection - Continued

**Ingredient(s) – Exposure Limits**

ACGIH TLV – None Established  
OSHA PEL – N/A

### 9. Physical and Chemical Properties

**Appearance**

Aqueous Solution

**Odor**

Slightly Sweet

**Melting Point:** N/A

**Boiling Point:** 210 – 225 °F

**Specific Gravity:** 1.0

**Vapor Pressure:** N/A

**Vapor Density:** N/A

**Solubility:** 100%

**Evaporation Rate:** <1

### 10. Stability and Reactivity

**Stability:** Stable

**Hazardous Polymerization:** Will not occur

**Incompatible Materials**

None

**Hazardous Decomposition Products**

Carbon Monoxide, carbon dioxide, silicone dioxide, aldehydes, and other decomposition products.

### 11. Toxicology Information

This material has been tested and evaluated by J. Penner Corporation. When used as intended, it does not represent a health or safety hazard.

**Oral LD50:** 5.0 g/kg (rats) practically

**Dermal LD50:** None Available

**Inhalation LC50:** None Available

**Eye Irritation:** None Available

**Skin Irritation:** None Available

**Human Patch:** Non-sensitizing

**Mutagenicity:** No mutagenicity detected in the Ames Assay

**Carcinogens:** None Present

**Aquatic LC50:** None Available



**Board Gear  
Extra Strength  
Marker Board Cleaner**



**Material Safety Data Sheet**

Page 4 of 4

**12. Ecological Information**

No data available

**13. Disposal Considerations**

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

**14. Transportation Information**

**Proper Shipping Name:** N/A  
**Hazard Class:** Non-Hazardous  
**DOT Identification Number:** None Required  
**DOT Shipping Label:** None Required

**Incompatible Materials**

None

**Hazardous Decomposition Products**

Carbon Monoxide, carbon dioxide, silicone dioxide, aldehydes, and other decomposition products.

**15. Regulatory Information**

**SARA Hazardous Classes**

None

**Ingredient(s) – U.S. Regulatory Information**

None

**16. Other Information**

**HMIS Rating**

**Health:** 1  
**Fire:** 0  
**Reactivity:** 0  
**PPE:** None

**Disclaimer**

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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):  
**SIGN OFF**  
Product Number: 3290

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: Non-Hazardous Products

NFPA Ratings:	HMIS Ratings:
Health: 1- Slight Fire: 0 - Minimal Reactivity: 0 - Minimal	Health: 1- Slight Fire: 0 - Minimal Reactivity: 0 - Minimal Pers. Prot. Equip.: 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>	
NO HAZARDOUS INGREDIENTS AS DEFINED BY 29 CFR 1910.1200 AT 1% OR GREATER CONCENTRATION	NA	NA	NA	NA	NA	No

## SECTION III: PHYSICAL DATA

Boiling Point: 212 °F	Vapor Pressure: Not determined
Vapor Density (AIR = 1): Unknown	Solubility in Water: Complete
pH: 8.5-9.0	Specific Gravity (H <sub>2</sub> O=1): 1.00
Evaporation Rate (but.acet.=1): <1	Percent Solid by Weight: < 1.0
Physical State: Liquid	
Appearance & Odor: Green liquid, floral fragrance	

## 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.	

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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:	May cause mild eye and skin irritation. May be harmful if swallowed. Inhalation of product mist may cause respiratory irritation. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Do not swallow. Avoid breathing product mist. Wash thoroughly 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:	Flush eyes with plenty of water for at least 15 minutes. Remove contact lenses. Get medical attention.
Skin:	Wash skin thoroughly with soap and water. Get medical attention if irritation persists. Wash contaminated clothing before reuse.
Ingestion:	Do not induce vomiting. 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: CO, CO2	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 disposal. Keep spill out of storm sewers and waterways.
Waste Disposal Method:	Dispose of in compliance with all federal, state and local laws and regulations.

**SECTION VIII: SPECIAL PROTECTION INFORMATION**

Respiratory Protection:	None required
Ventilation:	Provide good general ventilation. Local exhaust ventilation may be necessary for some operations.
Protective Gloves(Specify Type):	Not required. Impervious gloves may be worn if desired.
Eye Protection(Specify Type):	Not required. Splash goggles may be worn if desired.
Other Protective Equipment:	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 06/08/2011                      Name: Ronald T. Cook                      Title: Manager, Regulatory Affairs  
SIGN OFF                                      Effective Date: 06/08/2011                      Supercedes: 03/25/2008  
Ref: 29 CFR 1910.1200 (OSHA)                      Changes: General Review

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# MATERIAL SAFETY DATA SHEET

## SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** GOO GONE  
**Product Code:** GG01, GG06, GG12, GG12C, GG12TB, GG12LN, GG12CNLN, GGP16A, GGP16CN, GG44, GG44TB, GG4472ST, GG447218, GG89, GG89AUST, GG89CN, GZ92, 1647, 1649, 1650, 1728, 5011480, 5011488, 77133  
**Supplier:** MAGIC AMERICAN PRODUCTS  
**Address:** 26901 CANNON ROAD, SUITE 190  
 BEDFORD HEIGHTS, OH 44146  
**Telephone:** (800) 321-6330 M-F, 9-5 EST  
**Emergency:** CHEMTREC 24 HR (800) 424-9300  
**Date:** October 18, 2010

## SECTION 2 – COMPOSITION, INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>Percent</u>	<u>CAS #</u>
Distillates (petroleum), hydrotreated light	< 95	64742-47-8
Tripropylene glycol methyl ether	1 – 10	25498-49-1
Citrus extracts blend	1 – 10	94266-47-4 / 8028-48-6

\*The ingredients in the balance of this product do not contribute significant hazards beyond those described in this document. All pertinent health, safety and environmental information has been presented, per the requirements of the US Federal OSHA Hazard Communication Standard (29CFR 1910.1200).

## SECTION 3 – HAZARDS IDENTIFICATION

### Potential Health Effects:

#### Acute Effects:

**Eye:** Causes eye irritation.

**Skin:** Contact may cause irritation. Prolonged or repeated contact may cause drying or cracking.

**Ingestion:** Symptoms may include headache, nausea, drowsiness, pneumonitis, pulmonary edema, central nervous system depression, convulsions and loss of consciousness. **ASPIRATION HAZARD.** Harmful or fatal if aspirated into lungs.

**Inhalation:** May cause headache, nausea, drowsiness, central nervous system depression, convulsions and loss of consciousness.

#### Chronic Effects:

**Carcinogenicity:** No components listed by IARC, NTP, or OSHA as carcinogens.

## SECTION 4 - FIRST AID MEASURES

**Inhalation:** Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and seek medical attention.

**Skin:** Immediately flush with mild soap and water for 15 minutes. Seek medical attention if irritation develops. Remove contaminated clothing and launder before reuse.

**Eye:** Immediately flush with water for 15 minutes. Seek medical attention.

**Ingestion:** Do not induce vomiting. Get immediate medical care.

# MATERIAL SAFETY DATA SHEET

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## SECTION 5 - FIRE FIGHTING MEASURES

**Flash Point:** 186 F (86 C)

**Autoignition Temperature :** > 450 F

**Extinguishing Media:** Foam, carbon dioxide, and dry chemical.

**Special Fire Fighting Procedures:** Evacuate personnel to a safe area. Keep containers cool with water spray. Avoid breathing decomposition products. Wear self-contained breathing apparatus and full body protection.

**Hazardous Decomposition Products:** Thermal decomposition includes oxides of carbon and other asphyxiants.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Leak and Spill Procedure:** Evacuate area and turn off all sources of ignition. Ventilate area. Wear appropriate personal protective equipment, including appropriate respiratory protection. Contain spill if possible. Wipe up or absorb on suitable material and shovel up. Prevent entry into sewers and waterways. Avoid contact with skin, eyes or clothing. Dispose of collected material in accordance with federal, state and local requirements.

## SECTION 7 - HANDLING AND STORAGE

Store in original container. Keep container tightly closed when not in use and in an upright position. Do not store at elevated temperatures and away from incompatible materials. For industrial use only.

## SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

**Engineering Controls:** Not normally required. Insure general dilution ventilation is adequate.

**Respiratory protection:** Not normally required. Avoid breathing vapor or spray mists.

**Eye protection:** Use chemical goggles or glasses with side shields.

**Skin protection:** Use chemical resistant gloves.

**Other protective clothing or equipment:** Eye wash, Safety Shower, Full Protective Clothing.

**Work Hygienic Practices:** The usual precaution for the handling of chemicals must be observed.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Yellow liquid
<b>Odor:</b>	Citrus
<b>Specific Gravity (H2O = 1):</b>	0.8
<b>Solubility In Water:</b>	Negligible
<b>Vapor Pressure:</b>	No data available
<b>Vapor Density:</b>	No data available
<b>Boiling Point:</b>	> 430 F
<b>pH:</b>	No applicable
<b>VOC:</b>	2% by CARB Definition for Consumer Products

## SECTION 10 - STABILITY AND REACTIVITY

**Stability:** Stable.

**Conditions to Avoid:** Sources of ignition.

**Incompatible Materials:** Avoid contact with oxidizers.

**Hazardous Decomposition Products:** Thermal decomposition includes oxides of carbon and other asphyxiants.

**Hazardous Polymerization:** Will not occur.

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# MATERIAL SAFETY DATA SHEET

## SECTION 11 - TOXICOLOGICAL INFORMATION

THIS PRODUCT WAS NOT TESTED. THE FOLLOWING IS COMPONENT DATA:

**Distillates (petroleum), hydrotreated light (64742-47-8):** Acute Ingestion Toxicity: LD50 > 15000 mg/kg

## SECTION 12 - ECOLOGICAL INFORMATION

THIS PRODUCT WAS NOT TESTED. THE FOLLOWING IS COMPONENT DATA:

**Distillates (petroleum), hydrotreated light (64742-47-8):**

### ECOTOXICITY

Material -- Not expected to be harmful to aquatic organisms.  
Material -- Not expected to demonstrate chronic toxicity to aquatic organisms.

### MOBILITY

Material -- Low solubility and floats and is expected to migrate from water to the land. Expected to partition to sediment and wastewater solids.

### PERSISTENCE AND DEGRADABILITY

Biodegradation: Material -- Expected to be readily biodegradable.  
Hydrolysis: Material -- Transformation due to hydrolysis not expected to be significant.  
Photolysis: Material -- Transformation due to photolysis not expected to be significant.  
Atmospheric Oxidation: Material -- Expected to degrade rapidly in air

## SECTION 13 - DISPOSAL CONSIDERATIONS

Follow federal, provincial or state and local government requirements for disposal.

## SECTION 14 - TRANSPORT INFORMATION

**U.S. DOT (Road or Rail):**  
Not Regulated

**AIR / WATER / INTERNATIONAL TRANSPORT:**  
No data available

## SECTION 15 - REGULATORY INFORMATION

**SARA 302 Chemicals:** None of the ingredients are listed.  
**SARA 313 Chemicals:** None of the ingredients are listed.  
**Toxic Substances Control Act (TSCA):** All the ingredients are listed on the inventory  
**Canadian Domestic Substance List (DSL):** All ingredients are listed.  
**California Prop. 65 Components:** None

**OSHA & WHMIS:** MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) and Canadian WHMIS regulations (Controlled Products Regulations under the Hazardous Products Act).

## SECTION 16 - OTHER INFORMATION

**HMIS RATING: HEALTH: 1 FLAMMABILITY: 2 REACTIVITY: 0**

THIS PRODUCT IS SOLD TO CONSUMERS FOR HOUSEHOLD USE IN CONTAINERS OF RELATIVELY SMALL VOLUME (I.E. 5 GALLON OR LESS IN SIZE). THIS MSDS HAS BEEN DEVELOPED TO ADDRESS SAFETY

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# MATERIAL SAFETY DATA SHEET

CONCERNS AFFECTING THOSE INDIVIDUALS WORKING IN WAREHOUSES AND OTHER PLACES WHERE LARGE NUMBERS OF THESE CONTAINERS ARE STORED, AS WELL AS THOSE AFFECTING POTENTIAL USERS OF THIS PRODUCT IN INDUSTRIAL /OCCUPATIONAL SETTINGS. ALL PERTINENT HEALTH, SAFETY AND ENVIRONMENTAL INFORMATION HAVE BEEN PRESENTED IN THIS DOCUMENT, PER THE REQUIREMENTS OF THE US FEDERAL OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200) AND CANADIAN WHMIS.

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**Clorox Professional Products Company**  
 1221 Broadway  
 Oakland, CA 94612  
 Tel. (510) 271-7000

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# Material Safety Data Sheet

**I Product:** CLOROX COMMERCIAL SOLUTIONS® CLOROX® DISINFECTING WIPES FRESH SCENT

**Description:** FRAGRANCED, MOISTENED TOWELETTE

Other Designations	Distributor	Emergency Telephone Nos.
EPA Reg. No. 67619-9	The Clorox Sales Company 1221 Broadway Oakland, CA 94612	For Medical Emergencies call: (800) 446-1014 For Transportation Emergencies Chemtrec (800) 424-9300

## II Health Hazard Data

**Eye Contact:** Can cause moderate eye irritation.  
**Ingestion:** Liquid should be practically non-toxic if ingested.  
**Skin Contact:** Prolonged skin contact may produce minor irritation.

**FIRST AID:** EYES- Flush with plenty of water. Call a physician if irritation persists. IF SWALLOWED- Drink a glassful of water. Call a physician or poison control center. SKIN- Wash thoroughly with soap and water after handling. INHALATION- If breathing is effected, move to fresh air.

Under normal consumer use conditions the likelihood of any adverse health effects are low.

## III Hazardous Ingredients

Ingredient	Concentration	Worker Exposure Limit
n-Alkyl (C14, 60%; C16, 30% C12, 5%; C18, 5%) dimethylbenzyl ammonium chloride	0.145%	Not established
n-Alkyl(C12, 68%, C14, 32%) Dimethyl Ethylbenzyl ammonium chloride	0.145%	Not established
Isopropanol CAS #67-63-0	1- 5%	200 ppm/400 ppm <sup>1</sup> 400 ppm <sup>2</sup>

<sup>1</sup>TLV-TWA- Threshold Limit Value-Time Weighted Average.  
<sup>2</sup>PEL- OSHA Permissible Exposure Limit

None of the ingredients in this product are on the IARC, NTP or OSHA carcinogen lists.

## Special Protection and Precautions

No special protection or precautions have been identified for using this product under directed consumer use conditions.

The following recommendations are given for production facilities and for other conditions and situations where there is increased potential for accidental, large-scale or prolonged exposure.

**Hygienic Practices:** Wear safety glasses. Use rubber or nitrile gloves if in contact liquid, especially for prolonged periods.  
**Engineering Controls:** Use general ventilation to minimize exposure to vapor or mist.  
**Work Practices:** Avoid eye and skin contact and inhalation of vapor or mist. Avoid contact with food. Not for personal cleansing.

**KEEP OUT OF THE REACH OF CHILDREN**

## V Transportation and Regulatory Data

**U.S. DOT, IATA, IMG Hazard Class:** Not restricted.

**U.S. DOT Proper Shipping Name:** None

**EPA- SARA Title III/CERCLA:** Product may be regulated under Sections 311/312. This product contains no chemicals regulated under Section 304/CERCLA or Section 313.

**TSCA:** All components of this product are either on the TSCA 8(b) Inventory or otherwise exempt from listing.

**TSCA 12(b):** This product is not subject to TSCA 12(b) reporting requirements.

## VI Spill Procedures/Waste Disposal

**Spill Procedures:** Absorb and containerize. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed down material.

**Waste Disposal:** Disposal must be made in accordance with applicable federal, state and local regulations.

## VII Reactivity Data

**Stability:** Mixing with sodium hypochlorite may release small amounts of formaldehyde gas.

**Storage/Disposal:** Do not use or store near heat or open flame.

## VIII Fire and Explosion Data

Flashpoint: >119°F Method: Closed cup.  
 Unusual Fire and Explosion Hazards: None

## IX Physical Data

Flashpoint..... >119°F  
 Specific Gravity ..... 0.99 g/cc.  
 pH..... 5.0-6.0  
 Solubility in Water .....Liquid is completely dispersible

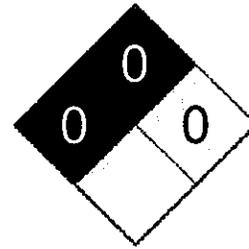
(21) a

### 1. Product and Company Identification

**Product Name** Professional RESOLVE® Spot and Stain Carpet Cleaner Ready-to-use  
**UPC CODES** Refer to Section 16  
**CAS #** Mixture  
**Product use** Carpet care  
**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	/ 0
Flammability	0
Reactivity	0
Personal Protection	A



### 2. Hazards Identification

**Emergency overview** CAUTION  
 MAY CAUSE EYE IRRITATION.  
 Avoid contact with eyes.

KEEP OUT OF REACH OF CHILDREN.

**Potential short term health effects**

**Routes of exposure** Eye, Skin contact, Inhalation, Ingestion.

**Eyes** None expected during normal conditions of use.  
 May cause eye irritation upon direct contact with the eyes.

**Skin** None expected during normal conditions of use.

**Inhalation** None expected during normal conditions of use.

**Ingestion** None expected during normal conditions of use.

**Target organs** Eyes. Respiratory system. Skin.

**Chronic effects** The finished product is not expected to have chronic health effects.

**Signs and symptoms** Symptoms may include redness, edema, drying, defatting and cracking of the skin.

### 3. Composition / Information on Ingredients

Ingredient(s)	CAS #	Percent
Sulfuric acid, mono-C10-C16 alkyl esters, sodium salts	68585-47-7	1 - 2.5

### 4. First Aid Measures

**First aid procedures**

**Eye contact** If in eyes, IMMEDIATELY rinse eyes with plenty of water. Remove any contact lenses and continue rinsing eyes for at least 15 minutes. If irritation persists, get medical attention.

**Skin contact** In keeping with good hygienic practices, wash exposed areas thoroughly with soap and water.

**Inhalation** None required. Remove to fresh air.

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**Ingestion**

Rinse mouth with water. Contact a physician or poison control center if symptoms develop. NEVER give an unconscious person anything to ingest.

**Notes to physician**

Symptoms may be delayed.

**General advice**

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.

**5. Fire Fighting Measures**

**Flammable properties**

Not flammable by OSHA criteria.

**Extinguishing media**

**Suitable extinguishing media**

Water spray. Foam. Dry chemical. Carbon dioxide.

**Unsuitable extinguishing media**

Not available

**Protection of firefighters**

**Specific hazards arising from the chemical**

Not available

**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

**6. Accidental Release Measures**

**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**

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. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills in original containers for re-use.

**7. Handling and Storage**

**Handling**

**CAUTION**

May cause eye irritation. Avoid contact with eyes.

Use good industrial hygiene practices in handling this material. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.

**Storage**

Keep out of reach of children.

Store in original container in a cool, secure area inaccessible to children and pets.

Keep from freezing.

**8. Exposure Controls / Personal Protection**

**Exposure limits**

**Ingredient(s)**

**Exposure Limits**

Sulfuric acid, mono-C10-C16 alkyl esters, sodium salts

**ACGIH-TLV**

Not established

**OSHA-PEL**

Not established

**Engineering controls**

General ventilation normally adequate.

**Personal protective equipment**

**Eye / face protection**

Avoid contact with eyes.

Emergency responders should wear full eye and face protection.

**Hand protection**

None required.

Emergency responders should wear impermeable gloves.

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<b>Skin and body protection</b>	As required by employer code. Emergency responders should wear impermeable clothing and footwear when responding to a situation where contact with the liquid is possible.
<b>Respiratory protection</b>	None required. 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.
<b>General hygiene considerations</b>	Washing with soap and water after use is recommended as good hygienic practice to prevent possible eye irritation from hand contact.

## 9. Physical and Chemical Properties

<b>Appearance</b>	Clear.
<b>Color</b>	Colorless
<b>Form</b>	Liquid
<b>Odor</b>	Citrus. Herbal.
<b>Odor threshold</b>	Not available
<b>Physical state</b>	Liquid
<b>pH</b>	6.7 (Neutral)
<b>Freezing point</b>	Not available
<b>Boiling point</b>	Not available
<b>Pour point</b>	Not available
<b>Evaporation rate</b>	Not available
<b>Flash point</b>	> 199.94 °F (> 93.3 °C) Tagliabue
<b>Auto-ignition temperature</b>	Not available
<b>Flammability limits in air, lower, % by volume</b>	Not available
<b>Flammability limits in air, upper, % by volume</b>	Not available
<b>Vapor pressure</b>	Not available
<b>Vapor density</b>	Not available
<b>Specific gravity</b>	0.9985 (Water=1)
<b>Octanol/water coefficient</b>	Not available
<b>Solubility (H2O)</b>	Complete
<b>Viscosity</b>	Water thin

## 10. Stability and Reactivity

<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Conditions to avoid</b>	DO NOT MIX WITH BLEACH or use in conjunction with other household products.
<b>Incompatible materials</b>	Oxidizers. Acids.
<b>Hazardous decomposition products</b>	May include and are not limited to:
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.

## 11. Toxicological Information

### Component analysis - LC50

Ingredient(s)	LC50
Sulfuric acid, mono-C10-C16 alkyl esters, sodium salts	Not available

### Component analysis - Oral LD50

Ingredient(s)	LD50
Sulfuric acid, mono-C10-C16 alkyl esters, sodium salts	1300 mg/kg rat

### Effects of acute exposure

<b>Eye</b>	None expected during normal conditions of use. May cause eye irritation upon direct contact with the eyes.
<b>Skin</b>	None expected during normal conditions of use.
<b>Inhalation</b>	None expected during normal conditions of use.
<b>Ingestion</b>	None expected during normal conditions of use.

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<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.
<b>Mutagenicity</b>	The finished product is not expected to have chronic health effects.
<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.
<b>Synergistic Materials</b>	Not available

## 12. Ecological Information

<b>Ecotoxicity</b>	Not available
<b>Environmental effects</b>	Not available
<b>Aquatic toxicity</b>	Not available
<b>Persistence / degradability</b>	Not available
<b>Bioaccumulation / accumulation</b>	Not available
<b>Partition coefficient</b>	Not available
<b>Mobility in environmental media</b>	Not available
<b>Chemical fate information</b>	Not available

## 13. Disposal Considerations

<b>Waste codes</b>	Not available
<b>Disposal instructions</b>	Dispose in accordance with all applicable regulations.
<b>Waste from residues / unused products</b>	Not available
<b>Contaminated packaging</b>	Not available

## 14. Transport Information

<b>UN/ID N.o.</b>	Not applicable
<b>U.S. Department of Transportation (DOT): Classification:</b> Not regulated	
<b>Proper shipping name</b>	Not applicable
<b>U.S. DOT Hazard Class</b>	Not applicable
<b>Subsidiary Risk</b>	Not applicable
<b>Packing group</b>	Not applicable
<b>DOT RQ (lbs)</b>	Not applicable
<b>ERG NO</b>	Not applicable

**Transportation of Dangerous Goods (TDG - Canada): Classification:** Not regulated

<b>Proper shipping name</b>	Not applicable
<b>Status</b>	Not applicable
<b>Packing group</b>	Not applicable

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**IMDG (Marine Transport): Classification:** Not regulated

<b>Proper shipping name</b>	Not applicable
<b>Class</b>	Not applicable
<b>Subsidiary Risk</b>	Not applicable
<b>Packing group</b>	Not applicable
<b>IMDG Page</b>	Not applicable
<b>Marine pollutant</b>	Not applicable
<b>EMS</b>	Not applicable
<b>MFAG</b>	Not applicable
<b>Maximum Quantity</b>	Not applicable

**IATA/ICAO (Air): Classification:** Not regulated

<b>Proper shipping name</b>	Not applicable
<b>Class</b>	Not applicable
<b>Subsidiary Risk:</b>	Not applicable
<b>Packing group</b>	Not applicable
<b>Maximum Quantity</b>	Not applicable

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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. CERCLA/SARA Hazardous Substances - Not applicable.
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**Product Registration:** Not registered

**Occupational Safety and Health Administration (OSHA)**

29 CFR 1910.1200 hazardous chemical      Yes

**CERCLA (Superfund) reportable quantity**

None

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

<b>Hazard categories</b>	Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
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**Section 302 extremely hazardous substance**      No

**Section 311 hazardous chemical**      Yes

**Clean Air Act (CAA)**      Not available

**Clean Water Act (CWA)**      Not available

**State regulations**      This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**Inventory status**

<b>Country(s) or region</b>	<b>Inventory name</b>	<b>On Inventory (yes/no)*</b>
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)

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## 16. Other Information

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**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** 36241-97402 - 32 oz. - Professional RESOLVE® Spot and Stain Carpet Cleaner Ready-to-use - 0077294

**Issue date** 08-Jul-2010

**Effective date** 01-Jul-2010

**Prepared by** Reckitt Benckiser Regulatory Department 800-333-3899

**Other information** For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.

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KANO LABORATORIES, INC.  
SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Manufacturer:** Kano Laboratories, Inc.  
1000 E. Thompson Lane  
Nashville, TN 37211  
**Information Phone Number:** (615) 833-4101  
**Fax:** (615) 833-5790 **Emergency:** 800-424-9300 (Chemtrec)  
**Website:** www.kanolaboratories.com

HMIS Hazard Rating

HEALTH	1
FLAMMABILITY	2
REACTIVITY	0
PERSONAL PROTECTION	X

**Product Name:** AEROKROIL  
**MSDS Date of Preparation:** 01/01/2013  
**Product Use:** Penetrant/Lubricant for Industrial Use

SECTION 2: HAZARDS IDENTIFICATION

Slightly reddish liquid with a refreshing odor packaged as an aerosol.

EMERGENCY OVERVIEW

WARNING! Contents under pressure. Heated can may rupture. Combustible Liquid and Vapor. May cause eye and skin irritation. May be harmful if absorbed through the skin. Inhalation of vapors or mist may cause respiratory irritation and central nervous system effects such as headache, dizziness, nausea and vomiting. Harmful or fatal if swallowed. Aspiration into the lungs during ingestion or vomiting may cause lung damage. May cause chronic effects.

Potential Health Effects:

**Eye:** May cause eye irritation with redness, tearing and stinging. Corneal injury is possible if not promptly removed.

**Skin:** May cause mild irritation with redness, rash, swelling. Prolonged or repeated contact may result in defatting and dermatitis. May be absorbed through the skin with effects similar to inhalation and ingestion.

**Inhalation:** Inhalation of vapors or mists may cause mucous membrane and upper respiratory tract irritation and central nervous system depression. Symptoms may include burning sensation, coughing, wheezing, sore throat, shortness of breath, headache, dizziness, drowsiness, nausea, vomiting, depressed respiration and heart rate, heart rhythm irregularities and unconsciousness.

**Ingestion:** Ingestion is an unlikely route of exposure for aerosol products. Swallowing may cause gastrointestinal irritation with abdominal pain, nausea, vomiting and diarrhea and central nervous system depression with symptoms including headache, dizziness, intoxication, weakness, respiratory failure, convulsions, cardiovascular collapse and pulmonary edema. Aspiration into the lungs during ingestion or vomiting may cause lung damage.

**Chronic Hazards:** Prolonged or repeated exposure may cause damage to the central nervous system, blood, kidney and liver. This product contains chemicals that in animal studies caused harm to the developing fetus, but only at exposure levels that harm the pregnant animal. There is no evidence of adverse fetal or reproductive effects in humans.

**Carcinogen Status:** None of the components of this product at greater than 0.1% are listed as carcinogens by OSHA, IARC or NTP.

**Medical Conditions Aggravated by Exposure:** Pre-existing eye, skin, respiratory, heart, central nervous system, liver and kidney disorders.

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**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS#	%
Severely Hydrotreated Petroleum Distillates	64742-52-5	30-50
Light Petroleum Distillates	64742-95-6/64742-88-7/ 64742-47-8	30-50
Aliphatic Alcohols	78-92-2/123-42-2	1-5
Glycol Ether	111-76-2	1-5
Proprietary Ingredients	Proprietary	5-15
Carbon Dioxide Propellant	124-38-9	1-15

**SECTION 4: FIRST AID MEASURES**

**Eye:** Rinse thoroughly with water for at least 15 minutes, holding the eyelids open to be sure the material is washed out. Get immediate medical attention.

**Skin:** Remove contaminated clothing. Wash contact area thoroughly with soap and water. Get medical attention if irritation or symptoms of exposure develop. Launder clothing before re-use.

**Inhalation:** Remove victim to fresh air. Give artificial respiration if needed. If breathing is difficult, oxygen should be administered by qualified personnel. Get immediate medical attention.

**Ingestion:** Ingestion is an unlikely route of exposure for aerosol products. DO NOT induce vomiting. Keep the victim calm and warm. Never give anything by mouth to an unconscious or drowsy person. Get immediate medical attention.

**SECTION 5: FIRE FIGHTING MEASURES**

**Flash Point:** 124°F (51°C) COC (concentrate)

**Flammable Limits:** LEL: 0.9%  
UEL: 10.6%

**Autoignition Temperature:** Not Determined

**Aerosol Flame Extension:** None

**Aerosol Flashback:** None

**Aerosol Protection Level (NPPA 30B):** Level 3

**Extinguishing Media:** Use carbon dioxide, dry chemical or foam. Water may be ineffective but can be used to cool containers and structures.

**Special Fire Fighting Procedures:** Wear NIOSH approved, positive pressure, self-contained breathing apparatus and full protective clothing. Cool fire exposed containers with water. Protect against bursting cans.

**Unusual Fire Hazards:** Contents under pressure. Keep away from heat and open flames. Container may rupture or explode in the heat of a fire. Prolonged exposure to temperatures above 120°F may cause cans to burst. Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back. Never use welding or cutting torch on or near containers (even empty) because product can ignite explosively. Combustion products may be hazardous.

**Hazardous Decomposition Products:** Oxides of carbon, organic compounds, smoke and fumes.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Spill:** Remove all ignition sources such as open flames, spark producing equipment, pilot lights, etc. Wear appropriate protective clothing to prevent eye and skin contact including impervious gloves, safety goggles and respirator if needed (refer to Section 8 for specific recommendations). Ventilate area. Cover with an inert absorbent material and collect into an appropriate container for disposal. Report spills and releases as required to appropriate authorities.

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**SECTION 7: HANDLING AND STORAGE**

**Handling:** Avoid breathing vapors, aerosols and mists. Use with adequate ventilation. Avoid contact with the eyes, skin and clothing. Wash exposed skin thoroughly with soap and water after use. Keep product away from heat, sparks, flames and all other sources of ignition. No smoking in storage or use areas. Do not cut, braze, solder, grind or weld on or near containers. Contents under pressure. Do not puncture or incinerate container.

**Storage** Store in a cool, well ventilated area at temperatures below 120°F. Do not store in direct sunlight. Store as a Level 3 aerosol.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

Chemical Name	Exposure Limits
Severely Hydrotreated Petroleum Distillates	5 mg/m3 OSHA PEL-TWA 5 mg/m3 ACGIH TLV-TWA 10 mg/m3 ACGIH TLV-STEL
Light Petroleum Distillates	100 ppm OSHA PEL-TWA 100 ppm ACGIH TLV-TWA
Aliphatic Alcohol	150 ppm OSHA PEL-TWA 100 ppm ACGIH TLV-TWA
Aliphatic Alcohol	50 ppm OSHA PEL-TWA 50 ppm ACGIH TLV-TWA
Glycol Ether	50 ppm OSHA PEL-TWA 20 ppm ACGIH TLV-TWA
Proprietary Ingredients	None Established
Carbon Dioxide Propellant	5000 ppm OSHA PEL-TWA 5000 ppm ACGIH TLV-TWA 30000 ppm ACGIH TLV-STEL

**Ventilation:** Use with adequate general or local exhaust ventilation to maintain concentrations below the occupational exposure limits. Use explosion proof electrical equipment and wiring where required.

**Respiratory Protection:** If needed, a NIOSH approved respirator with organic vapor cartridges may be used. For higher exposures, a supplied air respirator may be required. Respirator selection and use should be based on contaminant type, form and concentration. Follow OSHA 1910.134, ANSI Z88.2 and good Industrial Hygiene practice.

**Skin Protection** Impervious gloves are recommended when needed to avoid skin contact. Based on available test data, 4H or Silver Shield gloves are suggested.

**Eye Protection:** Chemical safety goggles recommended.

**Other Protective Equipment:** Impervious clothing as required to prevent skin contact and contamination of personal clothing. Suitable eye wash and washing facilities should be available in the work area.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance and Odor:</b> Slightly reddish liquid with a refreshing odor packaged as an aerosol.	<b>Specific Gravity:</b> 0.87
<b>pH:</b> 6-7	<b>Melting Point:</b> Not applicable
<b>Boiling Point:</b> 258°F	<b>Water Solubility:</b> Negligible
<b>Vapor Pressure:</b> 12 mm Hg @ 20°C (aliphatic alcohol)	<b>Evaporation Rate (ether=1):</b> Less than 1
<b>Vapor Density (air =1):</b> Greater than 1	

**SECTION 10: STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions of storage or use.

**Incompatibility/Conditions to Avoid:** Avoid strong oxidizing agents, reducing agents, acids, bases, amines, alkanolamines, ammonia, chlorinated compounds. Avoid heat, sparks, flames and all other sources of ignition.

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AEROKROIL

**Hazardous Decomposition Products:** Combustion will produce oxides of carbon, organic compounds, smoke and fumes.

**Hazardous Polymerization:** Will not occur.

**SECTION 11: TOXICOLOGICAL INFORMATION**

Toxicological testing has not been performed on this product as a mixture.

The calculated acute toxicity values, as determined by the DOT and other agency standard formula are: Oral LD50 = 2270; Dermal LD50 = 1500 mg/kg. Aerokroil is not classified as toxic under workplace or transportation criteria.

**SECTION 12: ECOLOGICAL INFORMATION**

No data available.

**SECTION 13: DISPOSAL INFORMATION**

Dispose in accordance with all local, state and federal regulations. Do not puncture or incinerate containers. When contents are depleted, continue to depress button until all gas is expelled.

**SECTION 14: TRANSPORT INFORMATION**

DOT Ground	Consumer Commodity ORM-D	or	Limited Quantity
DOT/49CFR Air	Aerosol, Flammable, Limited Quantity, UN1950, 2.1		
IATA	Aerosol, Flammable, Limited Quantity, UN1950, 2.1		
IMDG	Aerosol, Flammable, UN1950, 2.1		

**SECTION 15: REGULATORY INFORMATION**

**U.S. FEDERAL REGULATIONS:**

**CERCLA 103 Reportable Quantity:** This product is not subject to CERCLA reporting requirements, however, oil spills are reportable to the National Response Center under the Clean Water Act and many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

**SARA TITLE III:**

**Hazard Category for Section 311/312:** Acute Health, Chronic Health, Fire Hazard, Sudden Release of Pressure

**Section 313 Toxic Chemicals:** This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements:

Aliphatic Alcohol	78-92-2	1-5%
Glycol Ether	111-76-2	1-5%
1,2,4-Trimethylbenzene	95-63-6	.5 - < 5%

**Section 302 Extremely Hazardous Substances (TPQ):** None

**EPA Toxic Substances Control Act (TSCA) Status:** All of the components of this product are listed on the TSCA inventory.

**SECTION 16: OTHER INFORMATION**

**HMIS Ratings:** Health - 1      Flammability - 2      Reactivity - 0  
**NFPA Ratings:** Health - 1      Flammability - 2      Reactivity - 0

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The information contained herein has been developed based upon current available scientific data. New information may be developed from time to time which may render the conclusions of this report obsolete. Therefore, no warranty is extended as to the applicability of this information to the user's intended purpose or the consequences of its use or misuse.



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## AJAX CLEANER POWER-OXYGEN BLEACH

This industrial Material Safety Data Sheet is not intended for consumers and does not address consumer use of the product. For information regarding consumer applications of this product, refer to the product label.

Version 1.1

Revision Date 06/04/2010

Print Date 06/04/2010

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name** : AJAX CLEANER POWER-OXYGEN BLEACH  
**MSDS Number** : 200000017621  
**CAS-No.** : Not applicable - product is a mixture  
**General Use** : A formulated multi-purpose cleaner.

**Company** : Colgate-Palmolive Co  
 Commerical Consumer Group  
 191 East Hanover Avenue  
 Morristown, NJ 07960-3151

**Telephone** :

**Emergency telephone** : For emergency involving spill, leak, fire, exposure or accident, call CHEMTREC (800)424-9300, day or night.  
 For MEDICAL EMERGENCIAS involving this product call: (888) 489-3861

**Medical Emergency (24HR):**

### SECTION 2. HAZARDS IDENTIFICATION

#### Emergency Overview

**Form** : Powder  
**Appearance** : Off-white

#### Potential Health Effects

**Eye contact** : Causes eye irritation on direct contact.

**Skin contact** : May cause skin irritation upon prolonged contact.

**Inhalation** : No adverse effects due to inhalation are expected.

**Ingestion** : May be harmful if swallowed in large quantities.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous components

OSHA-REGULATED COMPONENTS (present at a concentration of > or = 1%)

Chemical Name	CAS-No.	Concentration *
LIMESTONE	1317-65-3	60.00 - 100.00
SODIUM CARBONATE	497-19-8	5.00 - 10.00
SODIUM DODECYL BENZENE SULFONATE	25155-30-0	1.00 - 5.00

\* All concentrations are present by weight unless ingredient is a gas. Gas concentrations are in percent by volume.



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## AJAX CLEANER POWER-OXYGEN BLEACH

*This industrial Material Safety Data Sheet is not intended for consumers and does not address consumer use of the product. For information regarding consumer applications of this product, refer to the product label.*

Version 1.1

Revision Date 06/04/2010

Print Date 06/04/2010

### Carcinogenicity:

**Listed Carcinogens:** The following components, present at a concentration of > or = 0.1%, are listed as carcinogens or potential carcinogens by either the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC), OSHA or ACGIH:

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

## SECTION 4. FIRST AID MEASURES

### First aid procedures

- Eye contact** : Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.
- Skin contact** : Flush skin with large amounts of water. If irritation develops and persists, get medical attention.
- Inhalation** : Remove victim to fresh air. Get medical attention, if symptoms persist.
- Ingestion** : Drink 8 ounces of clear water. Get medical attention.

## SECTION 5. FIRE-FIGHTING MEASURES

### Flammable properties

**Flash point** : Remarks: no data available

### Fire fighting

**Suitable extinguishing media** : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### Protective equipment and precautions for firefighters

**Special protective equipment for fire-fighters** : Self-contained breathing apparatus and full protective clothing should be worn when fighting chemical fires.



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## AJAX CLEANER POWER-OXYGEN BLEACH

This industrial Material Safety Data Sheet is not intended for consumers and does not address consumer use of the product. For information regarding consumer applications of this product, refer to the product label.

Version 1.1

Revision Date 06/04/2010

Print Date 06/04/2010

### SECTION 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions** : Use personal protection recommended in Section 8 of the MSDS.

**Methods for containment / Methods for cleaning up** : Cover with inert, absorbent material and remove to disposal container. Spill area may be slippery. Flush with plenty of water.

### SECTION 7. HANDLING AND STORAGE

#### Storage

**Requirements for storage areas and containers** : Store at controlled room temperature at 20-25°C (68-77°F).

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Exposure Guidelines

Components with workplace control parameters

Chemical Name	CAS-No.	Value	Exposure Limits	Source	Notes
LIMESTONE	1317-65-3	PEL	5 mg/m3	OSHA_TRANS	Respirable fraction.
		PEL	15 mg/m3	OSHA_TRANS	Total dust.
		TWA	5 mg/m3	Z1A	Respirable fraction.
		TWA	15 mg/m3	Z1A	Total dust.

**Engineering Controls** : In an industrial work environment, no special precautions or control measures are required.

#### Personal protective equipment

**Protective measures** : In an industrial work environment, if a splash is likely, chemical goggles may be needed. Prolonged skin contact may require protective goggles. For consumer use, no unusual precautions are necessary.



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## AJAX CLEANER POWER-OXYGEN BLEACH

*This industrial Material Safety Data Sheet is not intended for consumers and does not address consumer use of the product. For information regarding consumer applications of this product, refer to the product label.*

Version 1.1

Revision Date 06/04/2010

Print Date 06/04/2010

**General Hygiene Considerations** : In an industrial work environment, avoid eye and prolonged skin contact.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Form** : Powder  
**Appearance** : Off-white

**Flash point** : Note: no data available

**pH** : 10.4

**Density** : 1.04 g/cm<sup>3</sup>

### SECTION 10. STABILITY AND REACTIVITY

**Materials to avoid** : Remarks: Strong oxidizing agents

**Hazardous decomposition products** : Note: None known.

**Hazardous reactions** : Hazardous polymerisation does not occur.

### SECTION 11. TOXICOLOGICAL INFORMATION

This product has not been tested as a whole. However, this formula was reviewed by expert toxicologists in the Product Safety Assurance Department of Colgate-Palmolive and is determined to be safe for its intended use. This review has taken into consideration available safety-related information including information on individual ingredients, similar formulas and potential ingredient interactions. This review is a component of the hazard determination used to prepare the statements in Section 3 of the MSDS.

### SECTION 12. ECOLOGICAL INFORMATION

The product has not been tested as a whole for environmental toxicity. However, environmental information on the ingredients in this product have been reviewed by the Environmental Occupational Health and Safety group of Colgate-Palmolive and determined to have an acceptable environmental profile. This evaluation is based on available information on individual ingredients, interactions of ingredients, and similar ingredients.

Biodegradability claims are supported by data on ingredients (i.e., surfactants are biodegradable) or testing conducted on the final product (i.e., This product is biodegradable).



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## AJAX CLEANER POWER-OXYGEN BLEACH

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Version 1.1

Revision Date 06/04/2010

Print Date 06/04/2010

### SECTION 13. DISPOSAL CONSIDERATIONS

Further information : Any disposal practice must be in compliance with local, state and federal laws and regulations (contact local or state environment agency for specific rules). Do not dump in sewers, any body of water or on the ground.

### SECTION 14. TRANSPORT INFORMATION

DOT : Not regulated.  
 TDG : Not regulated.  
 IATA : Not regulated.  
 IMDG : Not regulated.

### SECTION 15. REGULATORY INFORMATION

#### US Regulations

#### SARA

Section 302 Extremely Hazardous Substances (40 CFR 355, Appendix A) : SULFUR DIOXIDE

CERCLA Hazardous Substance List (40 CFR 302.4) - Reportable Quantity : 62104 lbs

SODIUM DODECYL BENZENE SULFONATE

#### Clean Air Act

Clean Air Act 111 Standards of Performance for New Stationary Sources : Not listed

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) : Sulfuric Acid

SULFUR DIOXIDE



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# AJAX CLEANER POWER-OXYGEN BLEACH

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### Clean Water Act

Clean Water Act Section 307(a)(1)  
Toxic Pollutants : Not listed

Clean Water Act Section 311  
Hazardous Substances (40 CFR 117.3) : SODIUM DODECYL BENZENE SULFONATE  
Sulfuric Acid

### State Regulations

Massachusetts Right-To-Know List : LIMESTONE  
SODIUM DODECYL BENZENE SULFONATE  
SULFUR DIOXIDE

New Jersey Right-To-Know List : SODIUM CARBONATE  
LIMESTONE  
SODIUM DODECYL BENZENE SULFONATE

Pennsylvania Right-To-Know List : SODIUM CARBONATE  
LIMESTONE  
SODIUM DODECYL BENZENE SULFONATE

### Canada

Canadian Workplace Hazardous Materials Information System (WHMIS) Listed Material : LIMESTONE  
SODIUM CARBONATE  
SODIUM DODECYL BENZENE SULFONATE

Canadian Controlled Products Regulations: This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

### Other Information

TSCA Section 8(b) Status : All ingredients in this product are listed on the TSCA Inventory or are not required to be listed on the TSCA Inventory.



COLGATE-PALMOLIVE Company  
MATERIAL SAFETY DATA SHEET

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## AJAX CLEANER POWER-OXYGEN BLEACH

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Version 1.1

Revision Date 06/04/2010

Print Date 06/04/2010

### SECTION 16. OTHER INFORMATION

#### Further information

MSDS Number : 200000017621

Disclaimer: The information on this sheet is limited to the material identified and is believed by the Colgate-Palmolive Company to be correct based on its knowledge and information as of the date noted. Colgate makes no representation, guarantee or warranty, expressed or implied, as to the accuracy, reliability or completeness of the information and assumes no responsibility for injury, damage or loss resulting from the use of the material.

# Material Safety Data Sheet

## *Section 1. Chemical Product and Company Identification*

<b>Product Name/Trade Name</b>	<b>Purebright Ultra Germicidal Bleach</b>
<b>Manufacturer:</b>	Ref# 40000002 KIK CUSTOM PRODUCTS 2921 Corder Street Houston, TX USA 77054
<b>Contact Number:</b>	Tel: 905-660-0444
<b>24Hr Emergency Contact Number:</b>	Tel: 1-800-255-3924
<b>Prepared By:</b>	KIK CUSTOM PRODUCTS Laboratory
<b>Date Last Revised:</b>	<b>October 18, 2011</b>
<b>Replaces Date:</b>	<b>September 27, 2011</b>

## *Section 2. Hazardous Ingredients*

Ingredient	Concentration	CAS#	Worker Exposure Limit
Sodium Hypochlorite	5.0-6.0%	7681-52-9	not established
Sodium Hydroxide	>1.0 %	1310-73-2	2 mg/m <sup>3</sup> – TLV-C*

\* TLV-C = ACGIH Threshold Limit Value – Ceiling  
None of the ingredients in this product are on the IARC or NTP carcinogen lists.

## *Section 3. Hazards Identification*

Route of Entry

Skin	Yes	Eye	Yes
Inhalation	Yes	Ingestion	Yes

**Effects of Exposure:** May cause substantial but temporary eye injury. May irritate skin. When ingested, may cause nausea and vomiting. Inhalation of vapor will irritate nose, throat and lungs.

**Effects of acute exposure:** Inhalation of mist or vapor may cause breathing difficulty. Its corrosiveness may cause severe irritation to eyes and skin. May cause permanent damage if not treated properly. Ingestion can cause corrosion of mucous membranes, severe esophageal burns and perforation of esophagus or stomach.

**Effects of chronic exposure:** Not Known.

Under normal consumer use conditions, the likelihood of any adverse health effects is low. The following medical conditions may be aggravated by exposure to high concentration of vapor or mist: heart conditions or chronic respiratory problems such as asthma, bronchitis or obstructive lung disease. Some clinical tests conducted on intact skin with sodium hypochlorite liquid bleach found no sensitization in the test subjects.

## *Section 4. First Aid Measures*

<b>Skin:</b> Remove contaminated clothing. Wash with copious amount of water. If irritation persists, call a doctor.
<b>Eyes:</b> Flush eyes with cool running water holding eyelids apart to ensure thorough rinsing for 15 minutes. Remove contact lenses. See a doctor immediately.
<b>Inhalation:</b> Move to fresh air and restore breathing,. If breathing problems develop, call a doctor.
<b>Ingestion:</b> DO NOT INDUCE VOMITING! Drink large amounts of water. Do not give anything by mouth to a convulsing or unconscious person. See a doctor immediately.
<b>General Advice:</b> If irritation occurs, see a doctor immediately.



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**Section 5. Preventative Measures**

<b>Protective Equipment</b>
Gloves: Impervious PVC or Neoprene.
Eyes: Safety glasses at the very least. Chemical splash goggles. Face shield also helpful.
Respiratory: Not normally required. Footwear: Protect shoes and feet when using product for floor cleaning.
<b>LEAK AND SPILL PROTECTION:</b>
Small spills: Dilute product by flooding area with large quantity of water and flush to sanitary sewer.
Large spills: Contain run-off by diking with suitable material. Soak up liquid on inert absorbent and transfer to approved container. Prevent spill from entering sewers or waterways
<b>WASTE DISPOSAL:</b> Reclaim or dispose in accordance with local regulations.
<b>STORAGE REQUIREMENTS:</b> Store in a cool, dry and well-ventilated area.

**Section 6. Physical Data**

<b>State</b>	Liquid	<b>pH</b>	12.6 maximum
<b>Appearance</b>	Clear Pale yellow	<b>Specific Gravity</b>	1.080 minimum
<b>Odor</b>	Typical Bleach	<b>Solubility in water</b>	complete

**Section 7. Fire & Explosion**

Not flammable nor explosive
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**Section 8. Reactivity Data**

<b>Chemical Stability:</b> Stable under normal use and storage conditions.
<b>Incompatible Conditions:</b> YES X NO
<b>Incompatible Substances:</b> Acids, ammonia, urea, metals & oxidizers.

**Section 9. Regulatory Information**

**WHIMS:**  
 Health: 2  
 Flammability: 0  
 Reactivity: 1

<b>DOT : Not Restricted</b>
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As the handling and use of products under user's conditions are beyond our control, no warranty, expressed or implied, is made concerning this product. The information contained herein is offered only as a guide to the handling of this specific material and is not intended to be all-inclusive in the manner and conditions of use and handling. The user assumes all risks of use or handling, whether or not in accordance with any directions or suggestions of the manufacturer. Manufacturer shall not be liable to purchaser or any other person for loss or damages directly or indirectly arising from the use of our product.

**Material Safety Data Sheet**

according to ANSI Z400.1- 2004 and 29 CFR 1910.1200



**DRANO® MAX PROFESSIONAL STRENGTH GEL CLOG REMOVER**

Version 2.0

Print Date 10/01/2012

Revision Date 09/13/2012

MSDS Number 350000001605  
SITE\_FORM Number  
300000000000000003608.001

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product information**

- Trade name : DRANO® MAX PROFESSIONAL STRENGTH GEL CLOG REMOVER
- Use of the Substance/Mixture : Drain Cleaner
- Company : S.C. Johnson & Son, Inc.  
1525 Howe Street  
Racine WI 53403-2236
- Emergency telephone number : 24 Hour Medical Emergency Phone: (866)231-5406  
24 Hour International Emergency Phone: (703)527-3887  
24 Hour Transport Emergency Phone: (800)424-9300

**2. HAZARDS IDENTIFICATION**

**Emergency Overview**

Appearance / Odor : natural colour / liquid / slight chlorine

**Immediate Concerns**

: Danger  
Corrosive  
CAUSES EYE AND SKIN BURNS  
Avoid contact with skin, eyes and clothing.  
HARMFUL OR FATAL IF SWALLOWED.  
Avoid breathing vapors, mist or gas.

**Potential Health Effects**

- Exposure routes : Eye, Skin, Inhalation, Ingestion.
- Eyes : Corrosive - causes irreversible eye damage.  
May cause blindness.
- Skin : Corrosive to skin  
Causes burns.
- Inhalation : Corrosive to respiratory system
- Ingestion : Causes severe digestive tract burns.
- Aggravated Medical Condition : Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc. may be more susceptible to irritating effects

# Material Safety Data Sheet

according to ANSI Z400.1- 2004 and 29 CFR 1910.1200



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Version 2.0

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous chemicals present at or above reportable levels as defined by OSHA 29 CFR 1910.1200 or the Canadian Controlled Products Regulations are listed in this table:

Chemical Name	CAS-No.	Weight percent
Sodium hypochlorite	7681-52-9	5.00 - 10.00
Sodium hydroxide	1310-73-2	1.00 - 5.00
Surfactant - Trade Secret	Mixture	1.00 - 5.00

For additional information on product ingredients, see [www.whatsinsidescjohnson.com](http://www.whatsinsidescjohnson.com).

### 4. FIRST AID MEASURES

- Eye contact : Protect unharmed eye. Remove contact lenses. Flush immediately with plenty of water for at least 15 to 20 minutes. Get medical attention immediately.
- Skin contact : Flush immediately with plenty of water for at least 15 to 20 minutes. Get medical attention immediately. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse.
- Inhalation : Remove to fresh air. If not breathing, give artificial respiration. Get medical attention immediately.
- Ingestion : If swallowed, 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.

### 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific hazards during firefighting : Container may melt and leak in heat of fire.
- Special protective equipment for firefighters : Wear suitable protective clothing and gloves.
- Further information : Wear full protective clothing and positive pressure self-contained breathing apparatus. In case of fire and/or explosion do not breathe fumes.

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Lower explosion limit : Note: no data available  
Upper explosion limit : Note: no data available

**6. ACCIDENTAL RELEASE MEASURES**

Personal precautions : Wear personal protective equipment.  
Environmental precautions : Outside of normal use, avoid release to the environment.  
Methods for cleaning up : Soak up with inert absorbent material.  
Sweep up and shovel into suitable containers for disposal.  
Dike large spills.  
Clean residue from spill site.

**7. HANDLING AND STORAGE**

**Handling**

Advice on safe handling : Avoid contact with skin, eyes and clothing.  
Avoid breathing vapors, mist or gas.  
For personal protection see section 8.  
Use only as directed.  
KEEP OUT OF REACH OF CHILDREN AND PETS.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

**Storage**

Requirements for storage areas and containers : Keep container closed when not in use.  
Keep in a dry, cool and well-ventilated place.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Occupational Exposure Limits**

Components	CAS-No.	mg/m3	ppm	Non-standard units	Basis
Sodium hydroxide	1310-73-2	2 mg/m3	-	-	OSHA TWA
Sodium hydroxide	1310-73-2	2 mg/m3	-	-	ACGIH Ceiling

**Personal protective equipment**

**Respiratory protection**

Use only with adequate ventilation. Substantial amounts of mist/vapors can be controlled with local exhaust ventilation or respiratory protection.

**Hand protection**

: Rubber gloves

**Eye protection**

Wear splash-resistant Chemical goggles.

**Skin and body protection**

: Protective footwear.

**Hygiene measures**

: Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

- Form : liquid
- Color : natural colour
- Odor : slight chlorine
- pH : 11.5 - 13.5
- Melting point : no data available
- Boiling point : 212 °F
- Freezing point : no data available
- Evaporation rate : no data available

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Auto-ignition temperature	:	no data available
Lower explosion limit	:	no data available
Upper explosion limit	:	no data available
Vapour pressure	:	no data available
Density	:	1.1 g/cm3
Water solubility	:	completely soluble
Partition coefficient: n-octanol/water	:	no data available
Viscosity, dynamic	:	1,000 cps
Volatile Organic Compounds Total VOC (wt. %)*	:	0 % - additional exemptions may apply *as defined by US Federal and State Consumer Product Regulations

**10. STABILITY AND REACTIVITY**

Conditions to avoid	:	Direct sources of heat.
Materials to avoid	:	Do not mix with acids or any other household products. May release dangerous gases (chlorine). Avoid contact with: Ammonia compounds. Rust remover. Strong acids
Hazardous decomposition products	:	Thermal decomposition can lead to release of irritating gases and vapours.
Hazardous reactions	:	If accidental mixing occurs and toxic gas is formed, exit area immediately. Do not return until well ventilated.

**11. TOXICOLOGICAL INFORMATION**

Acute oral toxicity	:	LD50 estimated > 5,000 mg/kg Causes severe digestive tract burns.
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- Acute inhalation toxicity : no data available
- Acute dermal toxicity : LD50  
estimated  
> 2,000 mg/kg
- Chronic effects**
- Carcinogenicity : no data available
- Mutagenicity : no data available
- Reproductive effects : no data available
- Teratogenicity : no data available
- Sensitisation : Not known to be a sensitizer.

**12. ECOLOGICAL INFORMATION**

- Ecotoxicity effects : no data available

**13. DISPOSAL CONSIDERATIONS**

Observe all applicable Federal, Provincial and State regulations and Local/Municipal ordinances regarding disposal.  
Consumer may discard empty container in trash, or recycle where facilities exist.

- RCRA waste class : D002 (Corrosive Waste)
- SCJ product category : LB: Liquid Bleach

**Material Safety Data Sheet**

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**14. TRANSPORT INFORMATION**

**Land transport**

▪ **U.S. DOT and Canadian TDG Surface Transportation:**

Proper shipping name UN 1760 Corrosive Liquid, N.O.S.

|||Class: 8

UN number 1760

|||Packaging group: III

Note: Limited quantities derogation may be applicable to this product, please check transport documents.

**Sea transport**

▪ **IMDG:**

Proper shipping name UN 1760 Corrosive Liquid, N.O.S.

|||Class: 8

UN number: 1760

|||Packaging group: III

|||EmS: F-A, S-B

Note: Limited quantities derogation may be applicable to this product, please check transport documents.

**Air transport**

▪ **ICAO/IATA:**

Proper shipping name UN 1760 Corrosive Liquid, N.O.S.

|||Class: 8

UN/ID No.: UN 1760

|||Packaging group: III

Note: SC Johnson typically does not ship products via air. Refer to IATA/ICAO Dangerous Goods Regulations for detailed instructions when shipping this item by air.

**15. REGULATORY INFORMATION**

Notification status : All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

Notification status : All ingredients of this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).

California Prop. 65 : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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: This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**16. OTHER INFORMATION**

**HMS Ratings**

Health	3
Flammability	0
Reactivity	0

**NFPA Ratings**

Health	3
Fire	0
Reactivity	0
Special	-

**Further information**

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

Prepared by:	SC Johnson Global Safety Assessment & Regulatory Affairs (GSARA)
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MSDS Number 350000001605  
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**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product information**

- Trade name : DRANO® MAX GEL CLOG REMOVER COMMERCIAL LINE™
- Use of the Substance/Mixture Company : Drain Cleaner
- Company : S.C. Johnson & Son, Inc.  
1525 Howe Street  
Racine WI 53403-2236
- Emergency telephone number : 24 Hour Medical Emergency Phone: (866)231-5406  
24 Hour International Emergency Phone: (703)527-3887  
24 Hour Transport Emergency Phone: (800)424-9300

**2. HAZARDS IDENTIFICATION**

**Emergency Overview**

Appearance / Odor : natural colour / liquid / slight chlorine

**Immediate Concerns**

: Danger  
Corrosive  
CAUSES EYE AND SKIN BURNS  
Avoid contact with skin, eyes and clothing.  
HARMFUL OR FATAL IF SWALLOWED.  
Avoid breathing vapors, mist or gas.

**Potential Health Effects**

- Exposure routes : Eye, Skin, Inhalation, Ingestion.
- Eyes : Corrosive - causes irreversible eye damage.  
May cause blindness.
- Skin : Corrosive to skin  
Causes burns.
- Inhalation : Corrosive to respiratory system
- Ingestion : Causes severe digestive tract burns.
- Aggravated Medical Condition : Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc. may be more susceptible to irritating effects

# Material Safety Data Sheet

according to ANSI Z400.1- 2004 and 29 CFR 1910.1200



## DRANO® MAX GEL CLOG REMOVER COMMERCIAL LINE™

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous chemicals present at or above reportable levels as defined by OSHA 29 CFR 1910.1200 or the Canadian Controlled Products Regulations are listed in this table:

Chemical Name	CAS-No.	Weight percent
Sodium hypochlorite	7681-52-9	5.00 - 10.00
Sodium hydroxide	1310-73-2	1.00 - 5.00
Surfactant - Trade Secret	Mixture	1.00 - 5.00

For additional information on product ingredients, see [www.whatsinsidescjohnson.com](http://www.whatsinsidescjohnson.com).

### 4. FIRST AID MEASURES

- Eye contact : Protect unharmed eye. Remove contact lenses. Flush immediately with plenty of water for at least 15 to 20 minutes. Get medical attention immediately.
- Skin contact : Flush immediately with plenty of water for at least 15 to 20 minutes. Get medical attention immediately. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse.
- Inhalation : Remove to fresh air. If not breathing, give artificial respiration. Get medical attention immediately.
- Ingestion : If swallowed, 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.

### 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific hazards during firefighting : Container may melt and leak in heat of fire.
- Special protective equipment for firefighters : Wear suitable protective clothing and gloves.
- Further information : Wear full protective clothing and positive pressure self-contained breathing apparatus. In case of fire and/or explosion do not breathe fumes.

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Lower explosion limit : Note: no data available

Upper explosion limit : Note: no data available

**6. ACCIDENTAL RELEASE MEASURES**

Personal precautions : Wear personal protective equipment.

Environmental precautions : Outside of normal use, avoid release to the environment.

Methods for cleaning up : Soak up with inert absorbent material.  
Sweep up and shovel into suitable containers for disposal.  
Dike large spills.  
Clean residue from spill site.

**7. HANDLING AND STORAGE**

**Handling**

Advice on safe handling : Avoid contact with skin, eyes and clothing.  
Avoid breathing vapors, mist or gas.  
For personal protection see section 8.  
Use only as directed.  
**KEEP OUT OF REACH OF CHILDREN AND PETS.**

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

**Storage**

Requirements for storage areas and containers : Keep container closed when not in use.  
Keep in a dry, cool and well-ventilated place.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Occupational Exposure Limits**

Components	CAS-No.	mg/m3	ppm	Non-standard units	Basis
Sodium hydroxide	1310-73-2	2 mg/m3	-	-	OSHA TWA
Sodium hydroxide	1310-73-2	2 mg/m3	-	-	ACGIH Ceiling

**Personal protective equipment**

**Respiratory protection**

Use only with adequate ventilation. Substantial amounts of mist/vapors can be controlled with local exhaust ventilation or respiratory protection.

**Hand protection**

: Rubber gloves

**Eye protection**

Wear splash-resistant Chemical goggles.

**Skin and body protection**

: Protective footwear.

**Hygiene measures**

: Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

- Form : liquid
- Color : natural colour
- Odor : slight chlorine
- pH : 11.5 - 13.5
- Melting point : no data available
- Boiling point : 212 °F
- Freezing point : no data available
- Evaporation rate : no data available

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**Material Safety Data Sheet**

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Revision Date 09/13/2012

MSDS Number 350000001605  
SITE\_FORM Number  
300000000000000003608.001

Auto-ignition temperature	:	no data available
Lower explosion limit	:	no data available
Upper explosion limit	:	no data available
Vapour pressure	:	no data available
Density	:	1.1 g/cm3
Water solubility	:	completely soluble
Partition coefficient: n-octanol/water	:	no data available
Viscosity, dynamic	:	1,000 cps
Volatile Organic Compounds Total VOC (wt. %)*	:	0 % - additional exemptions may apply *as defined by US Federal and State Consumer Product Regulations

**10. STABILITY AND REACTIVITY**

Conditions to avoid	:	Direct sources of heat.
Materials to avoid	:	Do not mix with acids or any other household products. May release dangerous gases (chlorine). Avoid contact with: Ammonia compounds. Rust remover. Strong acids
Hazardous decomposition products	:	Thermal decomposition can lead to release of irritating gases and vapours.
Hazardous reactions	:	If accidental mixing occurs and toxic gas is formed, exit area immediately. Do not return until well ventilated.

**11. TOXICOLOGICAL INFORMATION**

Acute oral toxicity	:	LD50 estimated > 5,000 mg/kg Causes severe digestive tract burns.
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**Material Safety Data Sheet**

according to ANSI Z400.1- 2004 and 29 CFR 1910.1200



2-6-5

**DRANO® MAX GEL CLOG REMOVER COMMERCIAL LINE™**

Version 2.0

Print Date 10/01/2012

Revision Date 09/13/2012

MSDS Number 350000001605  
SITE\_FORM Number  
30000000000000003608.001

- Acute inhalation toxicity : no data available
- Acute dermal toxicity : LD50 estimated > 2,000 mg/kg
- Chronic effects**
- Carcinogenicity : no data available
- Mutagenicity : no data available
- Reproductive effects : no data available
- Teratogenicity : no data available
- Sensitisation : Not known to be a sensitizer.

**12. ECOLOGICAL INFORMATION**

- Ecotoxicity effects : no data available

**13. DISPOSAL CONSIDERATIONS**

Observe all applicable Federal, Provincial and State regulations and Local/Municipal ordinances regarding disposal.  
Consumer may discard empty container in trash, or recycle where facilities exist.

- RCRA waste class : D002 (Corrosive Waste)
- SCJ product category : LB: Liquid Bleach

# Material Safety Data Sheet

according to ANSI Z400.1- 2004 and 29 CFR 1910.1200



## DRANO® MAX GEL CLOG REMOVER COMMERCIAL LINE™

Version 2.0

Print Date 10/01/2012

Revision Date 09/13/2012

MSDS Number 350000001605

SITE\_FORM Number

30000000000000003608.001

### 14. TRANSPORT INFORMATION

#### Land transport

▪ **U.S. DOT and Canadian TDG Surface Transportation:**

Proper shipping name UN 1760 Corrosive Liquid, N.O.S.

Class: 8

UN number 1760

Packaging group: III

Note: Limited quantities derogation may be applicable to this product, please check transport documents.

#### Sea transport

▪ **IMDG:**

Proper shipping name UN 1760 Corrosive Liquid, N.O.S.

Class: 8

UN number: 1760

Packaging group: III

EmS: F-A, S-B

Note: Limited quantities derogation may be applicable to this product, please check transport documents.

#### Air transport

▪ **ICAO/IATA:**

Proper shipping name UN 1760 Corrosive Liquid, N.O.S.

Class: 8

UN/ID No.: UN 1760

Packaging group: III

Note: SC Johnson typically does not ship products via air. Refer to IATA/ICAO Dangerous Goods Regulations for detailed instructions when shipping this item by air.

### 15. REGULATORY INFORMATION

Notification status : All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

Notification status : All ingredients of this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).

California Prop. 65 : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

2.6 n

**Material Safety Data Sheet**

according to ANSI Z400.1- 2004 and 29 CFR 1910.1200



**DRANO® MAX GEL CLOG REMOVER COMMERCIAL LINE™**

Version 2.0

Print Date 10/01/2012

Revision Date 09/13/2012

MSDS Number 350000001605  
SITE\_FORM Number  
300000000000000003608.001

: This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**16. OTHER INFORMATION**

**HMIS Ratings**

Health	3
Flammability	0
Reactivity	0

**NFPA Ratings**

Health	3
Fire	0
Reactivity	0
Special	-

**Further information**

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

Prepared by:	SC Johnson Global Safety Assessment & Regulatory Affairs (GSARA)
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Prepared by: Regulatory Affairs Dept.

(Prepared According to 29 CFR 1910.1200)

N/A=Not Applicable  
Effective Date: 4/13 Revision: 3/12

**SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION**

<b>Product Name:</b> Sani-Flush <b>Generic Name:</b> Clinging Disinfectant Bowl Cleaner <b>Chemical Family:</b> Acid Detergent Blend <b>Formula:</b> Proprietary <b>EPA Reg. No.:</b> 1839-104-70348	<b>Supplier's Name:</b> Northland Chemical Corp.  <b>Supplier's Address:</b> 1170 Eagan, MN 55121  <b>Supplier's Phone #:</b> 1-651-414-6246
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**SECTION 2-INGREDIENT INFORMATION**

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
Hydrochloric Acid	7647-01-0	8.00	C5 ppm	C5 ppm	N/A
n-Alkyl Dimethylbenzyl Ammonium Chloride	68391-01-5	0.50			
n-Alkyl Dimethylethylbenzyl Ammonium Chloride	68956-79-6	0.50			
Nonionic Surfactant	9016-45-9	0 to 5			
Ethoxylated Alkyl Amine	61791-26-2	0 to 5			
Perfume Oils	N/A	0 to 5			
Dye	N/A	0 to 5			

**SECTION 3-PHYSICAL DATA**

<b>Boiling Point (°F):</b> 214 F.	<b>Specific Gravity:</b> 1.020 - 1.045
<b>Vapor Pressure:</b> 25mm Hg @ 68 F.	<b>Vapor Density (Air=1):</b> >1
<b>% Volatile:</b> 90+	<b>pH:</b> 0.5-1.0
<b>Solubility in Water:</b> Complete	<b>Evaporation Rate (Water=1):</b> <1
<b>Physical Description:</b> Viscous green liquid with wintergreen odor.	

**SECTION 4-FIRE AND EXPLOSION HAZARD DATA**

<b>Flash Point (Method Used):</b> N/A
<b>Upper Explosion Limit:</b> N/A <b>Lower Explosion Limit:</b> N/A
<b>Extinguishing Media:</b> N/A
<b>Special Firefighting Procedures:</b> Non Flammable
<b>Unusual Fire and Explosion Hazards:</b> N/A

**SECTION 5-REACTIVITY DATA**

<b>Stability:</b> Stable	<b>Hazardous Polymerization:</b> None
<b>Hazards Decomposition Products:</b> Hydrogen or chlorine gas.	<b>Incompatibility (Materials to Avoid):</b> Strong alkalis or oxidizers.

**SECTION 6-STORAGE AND HANDLING INFORMATION**

**DANGER CORROSIVE.** Causes irreversible eye damage and skin burns. Harmful if swallowed, absorbed through skin, or inhaled. Do not get in eyes, on skin, or on clothing. Avoid breathing vapor or spray mist. Wear coveralls over long-sleeved shirt and long pants, socks and chemical resistant footwear, goggles or face shield, and chemical resistant gloves (such as barrier laminate or butyl rubber, nitrile rubber, neoprene rubber, PVC or viton). Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

**SECTION 7-HEALTH HAZARDS AND FIRST AID**

**Effects of Overexposure:**  
**Skin:** Skin irritant. Prolonged or repeated contact may cause chemical burns or lead to severe dermatitis.  
**Eyes:** Severe eye irritant. Liquid and mists may burn or injure eyes, causing corneal damage.  
**Inhalation:** May be irritating to mucous membranes of the nose, throat, and lungs.  
**Ingestion:** Irritating and corrosive to the mouth and throat. May cause headache, nausea, abdominal pain, vomiting, and diarrhea. Excessive amounts may cause collapse.  
**First Aid Procedures:**  
**Skin:** Flush exposed area with large quantities of water. Seek medical attention if irritation persists.  
**Eyes:** Flush with large quantities of water, holding eyelids open. Seek medical attention immediately.  
**Inhalation:** Get to fresh air. Seek medical attention if irritation persists.  
**Ingestion:** Do not induce vomiting. Drink large quantities of water. Seek medical attention immediately.

**SECTION 8-SPECIAL PROTECTION INFORMATION**

**Respiratory Protection:** Use in well-ventilated area.  
**Ventilation Requirements:** Provide local exhaust to keep TLV of Section 2 ingredients below acceptable limit.  
**Protective Gloves:** Acid proof, rubber, and neoprene.  
**Eye Protection:** Safety glasses/chemical face shield.  
**Other Protective Equipment:** Eyewash, chemical resistant apron.

**SECTION 9-SPILL OR LEAK PROCEDURES**

**Steps to be taken in Case Material is Released or Spilled:** Ventilate area by opening doors or windows. Keep unessential personnel away. Mop up or otherwise absorb and hold disposal. Avoid discharge to sewer or open waterways.  
**Waste Disposal Method:** Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. Consult local authorities for disposal in public sewer. Do not dispose of into storm drain, stream, river or to ground. Rinse container thoroughly before discarding in trash.

**SECTION 10-REGULATORY INFORMATION**

<b>SARA Title III - Section 311/312 -Hazard Categories:</b>	<b>Shipping Information:</b>
No - Fire Hazard	FOR CONTAINERS > 1 Gallon : Compound, Cleaning
No - Sudden Release of Pressure Hazard	Liquid, (Hydrochloric Acid), 8, NA-1760, PG III
No - Reactivity Hazard	FOR 1 GALLON CONTAINERS : Cleaning Compound LQ
Yes - Immediate (acute) Health Hazard	
No - Delayed (chronic) Health Hazard	FOR CONTAINERS < 1 GALLON : Cleaning Compound LQ

**HMIS Hazardous Materials Identification System**

<b>Health</b>	<b>2</b>
<b>Flammability</b>	<b>0</b>
<b>Reactivity</b>	<b>0</b>
<b>Personal Protection</b>	<b>B</b>

**FOR EMERGENCY MEDICAL OR TRANSPORT INFORMATION:** CHEM-TEL, Inc. @ 800-255-3924 (24 hours, 7 days per week)  
 This product contains the following toxic chemical(s) 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	Percent by Weight
Exempt	None	

This product contains the following chemical(s) which have been established to be either a carcinogen or suspected carcinogen.

CAS#	Chemical Name	Percent by Weight
	None	

**SECTION 11-OTHER INFORMATION**

This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of our products either alone or in combination with other products. It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. This company will accept no liability for damages or loss incurred from the improper handling and use of this product

**Northland Chemical Corp.**  
 1170 Eagan Industrial Rd, Eagan, MN 55121  
 Phone: 651-414-6246  
 Fax: 651-414-6249



# MATERIAL SAFETY DATA SHEET

N/A=Not Applicable

(Prepared According to 29 CFR 1910.1200)

Effective Date: 05/01/12

## Section 1 - PRODUCT IDENTIFICATION

Product Name: Joust

Generic Name: Floor Finish Remover

Supplier Name: Northland Chemical Corp

Supplier Address: 1170 Eagan Industrial Rd, Eagan, MN 55121

Chem. Family: N/A

Formula: N/A

Phone: 651-414-6246

Emergency: 800-255-3924

### NPCA Hazardous Materials Identification

Health	3
Flammability	0
Reactivity	1
Maximum Personal Protection	C

## Section 2 - INGREDIENTS

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA*TLV	STEL-TLVC	Concentration	Carcinogen
Ethylene Glycol Monobutyl Ether*	111-76-2	10-30	50 ppm	20 ppm		17.1	
Ethanolamine	141-43-5	1-5	3 ppm	3 ppm	6 ppm		
Potassium Hydroxide	1310-58-3	1-5	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>			

\*Subject to the reporting requirements of SARA Title III, Section 313.

## Section 3 - PHYSICAL DATA

**Boiling Point:** 212°F  
**Vapor Density:** (Air=1): <1  
**Vapor Pressure:** <4 kPa (<30 mm Hg)  
**pH:** 12.5 to 13.5  
**Melting Point:** 32°F  
**Evaporation Rate:** (Water=1): 0.33  
**Solubility in Water:**  
**Physical Description:** Colorless liquid with solvent odor.  
**VOC:** 21.8%  
**Weight Per Gal:** 8.57 lbs./gal.  
**Specific Gravity:** 1.01 gny/ml

## Section 4 - FIRE AND EXPLOSION DATA

**Flammable Limits:** In a fire or if heated, a pressure increase will occur and the container may burst.  
**Special Exposure Hazards:** 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.  
**Extinguishing Media:** Use an extinguishing agent suitable for the surrounding fire.  
**Hazardous thermal decomposition products:** Decomposition products may include carbon dioxide, carbon monoxide, nitrogen oxides, sulfur oxides, and/or metal oxides.  
**Flash Point:** Closed cup: Not applicable

## Section 5 - Storage and Handling

**Precautions to be Taken in Handling and Storage:** 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 and food/drink. Separate from acids. 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.

**Transport Information:** DOT Classification: Hazard Class: 8 UN NO: UN1719 Packing Group: III Shipping Name: Caustical alkal liquids, n.o.s. (2-ethinoal and) (potassium hydroxide)

## Section 6 - HEALTH HAZARDS AND FIRST AID

**Emergency Overview:** WARNING!! HARMFUL IF INHALED, ABSORBED THROUGH SKIN OR SWALLOWED. CONTAINS MATERIAL THAT MAY CAUSE TARGET ORGAN DAMAGE, BASED ON ANIMAL DATA. Do not breathe vapor or mist. Do not get in eyes or on skin or clothing. Use only with adequate ventilation. Wash thoroughly after handling.

### Potential acute health effects due to overexposure:

**Inhalation:** May be toxic by inhalation. May give off gas, vapor, or dust that is very irritating or corrosive to the respiratory system. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

**Ingestion:** May be toxic if swallowed. May cause burns to mouth, throat, and stomach.

**Skin/Eyes:** Corrosive to skin and eyes. May cause severe burns.

### Potential chronic health effects due to overexposure:

**Cardiogenicity/Mutagenicity/Teratogenicity/Developmental Effects/Fertility Effects:** No known significant effects or critical hazards.

### First Aid Procedures:

**Skin:** Immediately flush skin with plenty of water for at least 15 min while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes before reuse. Get medical attention immediately.  
**Eyes:** Check for and remove contact lenses. Immediately flush eyes with plenty of water for at least 15 min, occasionally lifting the upper and lower eyelids. Get medical attention immediately.  
**Inhalation:** Remove to fresh air. Loosen tight clothing. Get medical attention immediately.

**Ingestion:** Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention immediately.

No action shall be taken involving personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

**Note 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.

## Section 7 - SPECIAL PROTECTION INFORMATION

**Respiratory Protection:** None required with adequate ventilation.  
**Eye 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, or dusts.  
**Protective Gloves:** Chemical-resistant, impervious gloves complying with an approved standard should be worn when handling chemical products if risk assessment indicates necessary.  
**Skin:** 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.  
**Special P.P.E. Protective Equipment:** Firefighting should wear appropriate protective equipment and self contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 8 - SPILL OR LEAK PROCEDURES

**Steps to be Taken in Case Material is Released or Spilled:** Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, if water-soluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

### Disposal Method:

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.

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**

MSDS Number 335308BLTCAPT

**1. PRODUCT AND COMPANY IDENTIFICATION****Product Name:** BOLT with ODOR COUNTERACTANT - ALL FRAGRANCES (30% VOC COMPLIANT)**Manufactured for:** Lagasse Sweet  
1525 Kuebel St.  
New Orleans, LA 70123**24-Hour Emergency Contact:****2. COMPOSITION/INFORMATION ON INGREDIENTS***Hazardous components greater than 1.0% (0.1% if carcinogen or suspected carcinogen)*

Component	CAS#	OSHA PEL	ACGIH TLV	Other Limits	% by wt.
Acetone	67-64-1	1000 ppm	750 ppm	750 ppm ACGIH STEL	35-45
C8-C9 Isoparaffinic Hydrocarbons	64741-66-8	N.E.	N.E.	400ppm (Exxon)	<5
Diethylene Glycol Monoethyl Ether	111-90-0	N.E.	N.E.	N.E.	25-35
Perfume Oils-Supplier Trade Secret	N/A	N.E.	N.E.	N.E.	5-15
Propane	74-98-6	1000 ppm	1000 ppm	1000 ppm TWA	25-35

**3. HAZARDS IDENTIFICATION**

Warning! Flammable!

Contents under pressure, do not expose to fire or extreme heat.

Read label. Use caution when installing; product contains an eye irritant. This product is designed for use in the Automatic Aerosol Dispenser. One unit per 6,000 cubic feet should be considered as an average need. Keep in mind that factors such as air flow, size of space, humidity, and room temperature all affect odor control. Do not allow spray to contact plastic, painted, or varnished surfaces.

**Potential Health Effects:***Routes of Entry:* Inhalation: Yes      Ingestion: Yes      Skin: Yes*Health Hazards:* Acetone is irritating and may possibly cause injury to the eyes if not removed promptly. Acetone may have effects on the liver and kidney. Humans with liver or kidney disease may be at increased risks due to this potential effect.*Signs/symptoms of overexposure:* High vapor concentrations may cause upper respiratory tract irritation, narcosis (sleepiness, dizziness, etc.), and eye irritation. Prolonged skin contact may cause mild to moderate local redness and swelling. Contact with eyes may cause severe irritation, experienced as discomfort or pain, excessive blinking and tear production, with marked excess redness and swelling of the conjunctiva. Corneal injury may occur.*Medical conditions aggravated by exposure:* Skin contact may aggravate an existing dermatitis.**NFPA Hazard Ratings**      **Fire: 4**      **Health: 1**      **Reactivity: 0***NFPA 704 Ratings are subject to interpretation and are only intended for general identification of the level of the specific hazard. All information must be considered for proper safe handling of the material.***4. FIRST AID MEASURES**

IF IN EYES: Immediately flush with large amounts of water for at least 15 minutes. Do not remove contact lenses; obtain medical attention immediately. IF ON SKIN OR CLOTHING: Remove contaminated clothing and wash before reuse. Wash affected areas of skin with soap and water for 15-20 minutes. Consult physician if irritation persists. IF INHALED: If large concentrations are inhaled, immediately move to fresh air. Keep person calm. If not breathing, give artificial respiration and contact emergency medical personnel. If labored breathing, give oxygen. IF SWALLOWED: Call a physician or Poison Control Center immediately. Do not induce vomiting unless directed by medical personnel. Vomiting may cause aspiration pneumonia hazard. Never give anything by mouth to an unconscious person.

**5. FIRE FIGHTING MEASURES***Extinguishing Media:* CO2, dry chemical or foam*Fire Fighting Procedures:* Self contained air supply suggested. Keep containers cool to avoid bursting.*Unusual Fire and Explosion Hazards:* Exposure to temperatures above 120 deg.F may cause bursting.**6. ACCIDENTAL RELEASE MEASURES**

If container is ruptured or begins to leak, place in a well-ventilated area free of spark and ignition sources. Any remaining liquid should be collected with absorbent media. Dispose of unusable concentrate and absorbent media in accordance with Local, State and Federal regulations.

**7. HANDLING AND STORAGE**

Do not contaminate water, food or feed by storage or disposal. Store in a cool, dry area away from heat or open flame. Exposure to temperatures above 120 deg.F. may cause bursting. Do not install directly over any food handling or dispensing area.

*NFPA 30B Aerosol Classification:* Level 3 Aerosol**8. EXPOSURE CONTROLS/PERSONAL PROTECTION***Protective Gloves:* Not required - avoid contact with skin.*Eye Protection:* Safety glasses recommended when installing new container to avoid possible contact with eyes.*Respiratory Protection:* Not required - avoid breathing spray.

**MATERIAL SAFETY DATA SHEET**

MSDS Number 335308BLTCAPT

Ventilation: Local: Not required.  
 Mechanical: Not required.

Other protective equipment: N/A  
 Protective Work/Hygiene Practices: Follow label instructions.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Specific Gravity (H<sub>2</sub>O=1): 0.73 Flashpoint: Not applicable LEL: N/A  
 Vapor Pressure (mm Hg): 4,395 Boiling Point: N/A Melting Point: N/A UEL: N/A  
 Solubility: Appreciable Appearance/Odor: Dry spritz with various characteristic fragrances.

**10. STABILITY AND REACTIVITY**

Conditions to Avoid: Heat, sparks, and open flame.  
 Incompatible Materials: Oxidizing materials, alkalis, acids, chlorinated compounds.  
 Hazardous Decomposition By-products: May liberate Carbon monoxide, and carbon dioxide.  
 Hazardous Polymerization Conditions: None known.

**11. TOXICOLOGICAL INFORMATION**

This product contains no chemicals that are listed on the NTP, IARC, or OSHA carcinogen lists. Any further information on the toxicology of the material can be obtained by contacting the manufacturer.

**12. ECOLOGICAL INFORMATION**

Please call the manufacturer for questions concerning the ecological effects of this product and it's constituents.

**13. DISPOSAL CONSIDERATIONS**

Empty the can by using the product according to the label. DO NOT PUNCTURE OR INCINERATE! "Empty" cans may contain residue. Avoid exposure to heat, flame, sparks, and other sources of ignition. IF EMPTY: Place in trash or offer for recycling if available. IF PARTLY FILLED: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions.

**14. TRANSPORT INFORMATION**

	Status	Shipping Name	Class	ID Number	Pack Grp
DOT (USA):	Regulated	Consumer Commodity (per 49CFR173.306)	ORM-D	N/A	N/A
IATA (Air):	Regulated	Consumer Commodity	9	ID8000	N/A
ICDG (Vessel):	Regulated	Aerosols	2	UN1950	N/A
National Motor Freight Classification and LTL Class:		57100 Sub 3 Class 60			

**15. REGULATORY INFORMATION**

**SARA Title III Section 312:** When completing Tier II reports, the following information should be used.

Note: See state and local regulations for specifics on reporting requirements for your facility.

This product should be described as: PURE: N MIXTURE: Y SOLID: N LIQUID: Y GAS: Y  
 Physical Hazards: FIRE: Y PRESSURE: Y REACTIVITY: N Health Hazards: IMMEDIATE: Y DELAYED: N

**SARA Title III Section 313:** Toxic chemical components subject to the reporting requirements of EPCRA and 40CFR372:

Chemical	CAS/Category	Percent
Glycol Ethers	N230	25.00

**16. OTHER INFORMATION**

**Product Sales Information:**

**MSDS Information:**

**Revision Notes:** Initial printing of MSDS

N/A = Not Applicable N.E. = Not Established WATCO PART #: MSDS Prepared by SW

This information is provided in good faith, but no warranty, expressed or implied, is made. The manufacturer believes that it is accurate and to the best of its knowledge, and relates only to the specific material designated herein.

# Northland Chemical Corp.

1170 Eagan Industrial Rd, Eagan, MN 55121

Phone: ..... 651-414-6246

Fax: ..... 651-414-6249



## MATERIAL SAFETY DATA SHEET

N/A = Not Applicable

(Prepared According to 29 CFR 1910.1200)

Effective Date 05/01/12

### Section 1 - PRODUCT IDENTIFICATION

Product Name: .... Light Force  
Generic Name: .... Non Amoniated Glass/Plexiglass® Cleaner  
Suppliers Name: .... NORTHLAND CHEMICAL CORP.  
Suppliers Address: ...1170 Eagan Industrial Rd, Eagan, MN 55121

Chemical Family: ...N/A  
Formula: .....N/A  
Phone: .....651-414-6246  
Emergency: .....800-255-3924

#### NPCA Hazardous Materials Identification

Health	1
Flammability	0
Reactivity	1
Maximum Personal Protection	A

### Section 2 - INGREDIENTS

CHEMICAL NAME	CAS NO.	WT.%	PEL	TWA-TLV	STEL-TLV C	CARCINOGEN
*2-Butoxy Ethanol	111-76-2		25 ppm	.25ppm		
Ethyl Alcohol	64-17-6		1000ppm	1000ppm		
Isoparaffinic Hydrocarbon	64742-47-8		400ppm	400ppm		
*Methyl Alcohol	67-56-1		200ppm	.250ppm		
Petroleum Distillates	64742-54-7		5 mg/m3	.10 mg/m3		
Propane/N-Butane	68476-88-8		1000ppm	.600ppm		

\*This product contains the following toxic chemicals subject of the reporting requirements of section 313 of the Emergency Planning and Community Right-To Know Act of 1986 and of 40 CFR 372.

### Section 3 - PHYSICAL DATA

Bolling Range: N/A  
Vapor Pressure: Mm Hg 46  
% Volatile: Slight  
Solubility in Water: 100%  
Physical Description: White foam,pleasant odor.

Specific Gravlty: (Water=1)0.98  
Vapor Density: (Air=1)>1  
pH: N/A  
Evaporatton Rate: >1  
(Butyl Acetate+1)

### Section 4 - FIRE AND EXPLOSION DATA

Concentrate Flash Pint (Method):  
Propellant Flash Point (Method):  
Flash Point (Method): None  
Extinguishing Media: Standard chemical fire extinguisher  
Special Fire Fighting Procedures: Wear self contained breathing apparatus when indicated.  
Unusual Fire and Explosion Hazards: Contents under pressure. Exposure to temperatures above 120° may cause bursting.

Explosive Limits  
Upper: N/A  
Lower: N/A

### Section 5 - REACTIVITY DATA

Stability: Stable.  
Incompatibility (Materials to Avoid): Strong Oxidizers, Alkalies, Acids.  
Conditions to Avoid: Temperature above 120°F

Hazardous Polymerization: Will not occur.

### Section 6 - STORAGE AND HANDLING INFORMATION

Precautions to be Taken in Handling and Storage:  
Store in cool, dry area.  
Keep away from heat, flames or sparks.

### Section 7 - HEALTH HAZARDS AND FIRST AID

Effects of Overexposure:  
Primary Route of Entry:  
Skin: .....May cause slight irritation.  
Eyes: .....May cause mild to strong irritation of in eyes.  
Inhalation: .....Prolonged exposure may cause headache/dizziness.  
Ingestion: .....May cause nausea.

First Aid Procedures:  
Skin: .....Wash effected area with soap and water.  
Eyes: .....Flush eyes with water for 15 minutes and consult physician.  
Inhalation: .....Remove to fresh air and consult physician.  
Ingestion: .....Drink large amounts of water. Consult physician if irritation persists.

### Section 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection: ..... None  
Protective Gloves: ..... None  
Other Protective Equipment: ..... N/A

Ventilation: ..... Local Exhaust: N/A  
Eye Protection: ..... Safety gloves are recommended whenever chemicals are used.

### Section 9 - SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled:  
Mop or wipe up spill. Dispose of residue in accordance with Federal, State and local guidelines.

Waste Disposal Method:  
Wmap containers and place in trash collection. Do not puncture or incinerate container.

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.

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# MATERIAL SAFETY DATA SHEET

SSS Foam Disinfectant Cleaner 05006

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## Section 1: PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** SSS Foam Disinfectant Cleaner 05006

**Product Number:** 05006

**Product Use:** Cleaner.

**Manufacturer/Supplier:** Triple S

2 Executive Park Dr.

Billerica, MA 01862

**Phone Number:** 978-667-7900

**D.O.T. Emergency Phone:** 1-888-779-1339

**Date of Preparation:** November 20, 2010 **Revision #:** 2.1

## Section 2: HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW HMIS:** See Section 15

DANGER

CORROSIVE MATERIAL - MAY CAUSE BURNS. CONTENTS UNDER PRESSURE. CONTAINER MAY EXPLODE IF HEATED.

**Potential Health Effects:** See Section 11 for more information.

**Likely Routes of Exposure:** Skin contact, eye contact, inhalation, and ingestion.

**Eye:** Irritating to eyes. May cause burns.

**Skin:** Irritating to skin.

**Ingestion:** Not a normal route of exposure. Harmful: may cause lung damage if swallowed.

**Inhalation:** May cause respiratory tract irritation. May cause asphyxiation. This product may be aspirated into the lungs and cause chemical pneumonitis.

**Chronic Effects:** Prolonged or repeated contact may dry skin and cause irritation.

**Signs and Symptoms:** Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Handling can cause dry skin. Vapours may cause drowsiness and dizziness.

**Medical Conditions Aggravated By Exposure:** Asthma. Allergies.

**Target Organs:** Skin, eyes, gastrointestinal tract, respiratory system.

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**Potential Environmental Effects:** May cause long-term adverse effects in the aquatic environment. See Section 12 for more information.

## Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

**Ingredient CAS # Wt. %**

Isobutane 75-28-5 1 - 5

Ethylene glycol monobutyl ether 111-76-2 1 - 5

Diethylene glycol monoethyl ether 111-90-0 1 - 5

Tetrasodium ethylenediaminetetraacetate 64-02-8 1 - 5

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# MATERIAL SAFETY DATA SHEET

SSS Foam Disinfectant Cleaner 05006

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## Section 4: FIRST AID MEASURES

**Eye Contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.

**Skin Contact:** 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.

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

**Ingestion:** If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

**General Advice:** In case of accident or if you feel unwell, seek medical advice immediately (show the label or MSDS where possible).

**Note to Physicians:** Symptoms may not appear immediately.

## Section 5: FIRE FIGHTING MEASURES

**Flammability:** Not flammable by OSHA criteria.

**Means of Extinction:**

**Suitable Extinguishing Media:** Powder, water spray, foam, carbon dioxide.

**Unsuitable Extinguishing Media:** Not available.

**Products of Combustion:** May include, and are not limited to: oxides of carbon.

**Explosion Data:**

**Sensitivity to Mechanical Impact:** Not available.

**Sensitivity to Static Discharge:** Not available.

**Protection of Firefighters:** Containers may explode when heated. 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:** Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition. Ruptured cylinders may rocket.

**Environmental Precautions:** Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). This material is a water pollutant. Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

**Methods for Containment:** 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).

**Methods for Clean-Up:** Vacuum or sweep material and place in a disposal container. Allow gas to dissipate harmlessly into the atmosphere.

**Other Information:** Not available.

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## MATERIAL SAFETY DATA SHEET

SSS Foam Disinfectant Cleaner 05006

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### Section 7: HANDLING AND STORAGE

#### Handling:

Keep away from sources of ignition. - No smoking. Avoid contact with skin and eyes. Do not swallow. Do not breathe gas/fumes/vapor/spray. Use only in well-ventilated areas. Handle and open container with care. When using, do not eat or drink. Wash hands before eating, drinking, or smoking.

#### Storage:

Keep out of the reach of children. Keep container in a well-ventilated place. Do not store at temperatures above 49°C / 120°F.

### Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Exposure Guidelines

#### Exposure Limits

#### Ingredient OSHA-PEL ACGIH-TLV

isobutane Not available. Not available.

Ethylene glycol monobutyl ether 50 ppm 20 ppm

Diethylene glycol monoethyl ether Not available. Not available.

Tetrasodium ethylenediaminetetraacetate Not available. Not available.

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

**Personal Protective Equipment: HMIS:** See Section 15

**Eye/Face Protection:** Wear eye/face protection.

**Hand Protection:** Wear suitable gloves.

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

**Respiratory Protection:** In case of insufficient ventilation, wear suitable respiratory equipment.

**General Hygiene Considerations:** Handle according to established industrial hygiene and safety practices.

### Section 9: PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear

**Color:** Colorless.

**Odour:** Fresh.

**Odour Threshold:** Not available.

**Physical State:** Gas/Pressurized Liquid.

**pH:** 12.2-13

**Viscosity:** Not available.

**Freezing Point:** Not available.

**Boiling Point:** Not available.

**Flash Point:** Not available.

**Evaporation Rate:** Not available.

**Lower Flammability Limit:** Not available.

**Upper Flammability Limit:** Not available.

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## MATERIAL SAFETY DATA SHEET

SSS Foam Disinfectant Cleaner 05006

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**Vapor Pressure:** Not available.

**Vapor Density:** Not available.

**Specific Gravity:** 1.005 (Concentrate Only)

**Solubility in Water:** Complete.

**Coefficient of Water/Oil Distribution:** Not available.

**Auto-ignition Temperature:** Not available.

**Percent Volatile, wt. %:** Not available.

**VOC content, wt. %:** 7.0% (US federal/CARB/OTC/LADCO)

**VOC content g/L:** Not available.

### Section 10: STABILITY AND REACTIVITY

**Stability:** Stable under normal storage conditions. Contents under pressure. Container may explode if heated. Do not puncture. Do not burn. Keep in a cool place.

**Conditions of Reactivity:** Heat. Incompatible materials.

**Incompatible Materials:** Oxidizers.

**Hazardous Decomposition Products:** May include, and are not limited to: oxides of carbon.

**Possibility of Hazardous Reactions:** No dangerous reaction known under conditions of normal use.

### Section 11: TOXICOLOGY INFORMATION

#### EFFECTS OF ACUTE EXPOSURE

##### Component Analysis

##### Ingredient LD<sub>50</sub> (oral) LC<sub>50</sub>

Isobutane Not available. 658 mg/L 4 hr, rat

Ethylene glycol monobutyl ether 470 mg/kg, rat

450 ppm 4 hr, rat;

2.21 mg/L 4hr, rat

Diethylene glycol monoethyl ether 1920 mg/kg, rat 5240 mg/m<sup>3</sup> 4hr, rat

Tetrasodium ethylenediaminetetraacetate 10 g/kg, rat Not available.

**Eye:** Irritating to eyes. May cause burns. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

**Skin:** Irritating to skin. Handling can cause dry skin.

**Ingestion:** Not a normal route of exposure. Harmful: may cause lung damage if swallowed.

**Inhalation:** May cause respiratory tract irritation. May cause asphyxiation. This product may be aspirated into the lungs and cause chemical pneumonitis. Vapours may cause drowsiness and dizziness.

#### EFFECTS OF CHRONIC EXPOSURE

**Target Organs:** Not available.

**Chronic Effects:** (Effects due to excessive exposure to the raw materials of this mixture) May cause diarrhea, vomiting, gastrointestinal irritation. Lab animals have experienced anemia, liver, kidney, lung and blood damage due to Ethylene glycol monobutyl ether.

**Carcinogenicity:** Not hazardous by OSHA criteria.

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# MATERIAL SAFETY DATA SHEET

SSS Foam Disinfectant Cleaner 05006

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## Ingredient Chemical Listed as Carcinogen or Potential Carcinogen \*

Isobutane Not listed.

Ethylene glycol monobutyl ether I-3

Diethylene glycol monoethyl ether Not listed.

Tetrasodium ethylenediaminetetraacetate Not listed.

\* See Section 15 for more information.

**Mutagenicity:** Not hazardous by OSHA criteria.

**Reproductive Effects:** Not hazardous by OSHA criteria.

## Developmental Effects:

**Teratogenicity:** Not hazardous by OSHA criteria.

**Embryotoxicity:** Not hazardous by OSHA criteria.

**Respiratory Sensitization:** Not hazardous by OSHA criteria.

**Skin Sensitization:** Not hazardous by OSHA criteria.

**Toxicologically Synergistic Materials:** Not available.

## Section 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** May cause long-term adverse effects in the aquatic environment

**Persistence / Degradability:** Not available.

**Bioaccumulation / Accumulation:** Not available.

**Mobility in Environment:** Not available.

## Section 13: DISPOSAL CONSIDERATIONS

### Disposal Instructions:

This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

## Section 14: TRANSPORTATION INFORMATION

### DOT Classification

ORM-D

## Section 15: REGULATORY INFORMATION

### Federal Regulations

**US:** MSDS prepared pursuant to the Hazard Communication Standard (29 CFR 1910.1200).

### SARA Title III

### Ingredient Section 302

(EHS) TPQ (lbs.)

### Section 304

EHS RQ (lbs.)

### CERCLA

RQ (lbs.)

### Section

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Isobutane Not listed. Not listed. Not listed. Not listed.

Ethylene glycol monobutyl ether Not listed. Not listed. Not listed. Yes.

Diethylene glycol monoethyl ether Not listed. Not listed. Not listed. Not listed.

Tetrasodium

ethylenediaminetetraacetate Not listed. Not listed. Not listed. Not listed.

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# MATERIAL SAFETY DATA SHEET

SSS Foam Disinfectant Cleaner 05006

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## State Regulations

### California Proposition 65:

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

## Global Inventories

### Ingredient USA

#### TSCA

Isobutane Yes.

Ethylene glycol monobutyl ether Yes.

Diethylene glycol monoethyl ether Yes.

Tetrasodium ethylenediaminetetraacetate Yes.

## HMIS - Hazardous Materials Identification System

Health - 2 Flammability - 1 Physical Hazard - 0 PPE - B

## NFPA - National Fire Protection Association:

Health - 2 Fire - 1 Reactivity - 0

Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

## SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

OSHA (O) Occupational Safety and Health Administration.

ACGIH (G) American Conference of Governmental Industrial Hygienists.

A1 - Confirmed human carcinogen.

A2 - Suspected human carcinogen.

A3 - Animal carcinogen.

A4 - Not classifiable as a human carcinogen.

A5 - Not suspected as a human carcinogen.

IARC (I) International Agency for Research on Cancer.

1 - The agent (mixture) is carcinogenic to humans.

2A - The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.

2B - The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.

3 - The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.

4 - The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.

NTP (N) National Toxicology Program.

1 - Known to be carcinogens.

2 - Reasonably anticipated to be carcinogens.

## Section 16: OTHER INFORMATION

### Disclaimer:

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

### Prepared by:

#### Prepared for:

Nexreg Compliance Inc.

Triple S

Phone: 978-667-7900

# MATERIAL SAFETY DATA SHEET

SSS Lemon Oil Furniture Polish

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## Section 1: PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** SSS Lemon Oil Furniture Polish  
**Product Number:** 05151  
**Product Use:** Polish  
**Manufacturer/Supplier:** Triple S  
2 Executive Park Dr.  
Billerica, MA 01862  
**Phone Number:** (978) 667-7900  
**D.O.T. Emergency Phone:** 1-(888) 779-1339  
**Date of Preparation:** September 29, 2010 **Revision #:** 2.0

## Section 2: HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

HMIS: See Section 15

### CAUTION

MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION. CONTENTS UNDER PRESSURE. CONTAINER MAY EXPLODE IF HEATED.

**Potential Health Effects:** See Section 11 for more information.

**Likely Routes of Exposure:** Skin contact, eye contact, inhalation, and ingestion.

- Eye:** May cause eye irritation.  
**Skin:** May cause skin irritation.  
**Ingestion:** Not a normal route of exposure. Harmful: may cause lung damage if swallowed.  
**Inhalation:** May cause respiratory tract irritation. Vapours may cause drowsiness and dizziness. This product may be aspirated into the lungs and cause chemical pneumonitis.

**Chronic Effects:** Prolonged or repeated contact may dry skin and cause irritation.

**Signs and Symptoms:** Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Handling can cause dry skin.

**Medical Conditions Aggravated By Exposure:** Asthma. Allergies.

**Target Organs:** Skin, eyes, gastrointestinal tract, respiratory system.

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**Potential Environmental Effects:** May cause long-term adverse effects in the aquatic environment. See Section 12 for more information.

## Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS #	Wt. %
Distillates (petroleum), hydrotreated light	64742-47-8	7 - 13
Stoddard solvent	8052-41-3	3 - 7
n-Butane	106-97-8	3 - 7
Propane	74-98-6	1 - 5

MATERIAL SAFETY DATA SHEET  
SSS Lemon Oil Furniture Polish

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**Section 4: FIRST AID MEASURES**

- Eye Contact:** In case of contact, immediately flush eyes with plenty of water. If easy to do, remove contact lenses, if worn.
- Skin Contact:** 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.
- Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
- Ingestion:** If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.
- General Advice:** In case of accident or if you feel unwell, seek medical advice immediately (show the label or MSDS where possible).
- Note to Physicians:** Symptoms may not appear immediately.

**Section 5: FIRE FIGHTING MEASURES**

- Flammability:** Not flammable by OSHA criteria.
- Means of Extinction:**
- Suitable Extinguishing Media:** Powder, water spray, foam, carbon dioxide.
  - Unsuitable Extinguishing Media:** Not available.
- Products of Combustion:** May include, and are not limited to: oxides of carbon.
- Explosion Data:**
- Sensitivity to Mechanical Impact:** Not available.
  - Sensitivity to Static Discharge:** Not available.
- Protection of Firefighters:** Containers may explode when heated. 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:** Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition. Ruptured cylinders may rocket.
- Environmental Precautions:** Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). This material is a water pollutant. Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.
- Methods for Containment:** 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).
- Methods for Clean-Up:** Vacuum or sweep material and place in a disposal container. Allow gas to dissipate harmlessly into the atmosphere.
- Other Information:** Not available.

MATERIAL SAFETY DATA SHEET  
SSS Lemon Oil Furniture Polish

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Section 7: HANDLING AND STORAGE

**Handling:**

Keep away from sources of ignition. - No smoking. Avoid contact with skin and eyes. Do not swallow. Do not breathe gas/fumes/vapor/spray. Use only in well-ventilated areas. Handle and open container with care. When using, do not eat or drink. Wash hands before eating, drinking, or smoking.

**Storage:**

Keep out of the reach of children. Keep container in a well-ventilated place. Do not store at temperatures above 49°C / 120°F.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Guidelines**

Ingredient	Exposure Limits
	OSHA-PEL
Distillates (petroleum), hydrotreated light	100 ppm
Stoddard solvent	100 ppm
n-Butane	Not available.
Propane	1000 ppm

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

**Personal Protective Equipment:**

**HMIS:** See Section 15

**Eye/Face Protection:** Wear eye/face protection.

**Hand Protection:** Wear suitable gloves.

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

**Respiratory Protection:** In case of insufficient ventilation, wear suitable respiratory equipment.

**General Hygiene Considerations:** Handle according to established industrial hygiene and safety practices.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Opaque
<b>Color:</b>	White.
<b>Odour:</b>	Citrus.
<b>Odour Threshold:</b>	Not available.
<b>Physical State:</b>	Gas/Pressurized Liquid.
<b>pH:</b>	Not applicable.
<b>Viscosity:</b>	Not available.
<b>Freezing Point:</b>	Not available.
<b>Boiling Point:</b>	Not available.
<b>Flash Point:</b>	Not available.
<b>Evaporation Rate:</b>	Not available.
<b>Lower Flammability Limit:</b>	Not available.

MATERIAL SAFETY DATA SHEET  
SSS Lemon Oil Furniture Polish

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**Upper Flammability Limit:** Not available.  
**Vapor Pressure:** Not available.  
**Vapor Density:** Not available.  
**Specific Gravity:** 0.938 (Concentrate Only)  
**Solubility in Water:** Partial.  
**Coefficient of Water/Oil Distribution:** Not available.  
**Auto-ignition Temperature:** Not available.  
**Percent Volatile, wt. %:** Not available.  
**VOC content, wt. %:** 16.5% (US federal/CARB/OTC/LADCO)

**Section 10: STABILITY AND REACTIVITY**

**Stability:** Stable under normal storage conditions. Contents under pressure. Container may explode if heated. Do not puncture. Do not burn. Keep in a cool place.

**Conditions of Reactivity:** Heat. Incompatible materials.

**Incompatible Materials:** Oxidizers.

**Hazardous Decomposition Products:** May include, and are not limited to: oxides of carbon.

**Possibility of Hazardous Reactions:** No dangerous reaction known under conditions of normal use.

**Section 11: TOXICOLOGY INFORMATION**

**EFFECTS OF ACUTE EXPOSURE**

**Component Analysis**

<b>Ingredient</b>	<b>LD<sub>50</sub> (oral)</b>	<b>LC<sub>50</sub></b>
Distillates (petroleum), hydrotreated light	> 5000 mg/kg, rat	> 5.2 mg/L 4hr, rat
Stoddard solvent	> 5000 mg/kg, rat	> 5500 mg/m <sup>3</sup> 4hr, rat
n-Butane	Not available.	658 mg/L 4hr, rat
Propane	Not available.	658 mg/L 4hr, rat

**Eye:** May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

**Skin:** May cause skin irritation. Handling can cause dry skin.

**Ingestion:** Not a normal route of exposure. Harmful: may cause lung damage if swallowed.

**Inhalation:** May cause respiratory tract irritation. Vapours may cause drowsiness and dizziness. This product may be aspirated into the lungs and cause chemical pneumonitis.

**EFFECTS OF CHRONIC EXPOSURE**

**Target Organs:** Not available.

**Chronic Effects:** Not hazardous by OSHA criteria.

**Carcinogenicity:** Not hazardous by OSHA criteria.

**MATERIAL SAFETY DATA SHEET**  
SSS Lemon Oil Furniture Polish

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Ingredient	Chemical Listed as Carcinogen or Potential Carcinogen *
Distillates (petroleum), hydrotreated light	I -3, G-A3
Stoddard solvent	Not listed.
n-Butane	Not listed.
Propane	Not listed.

\* See Section 15 for more information.

**Mutagenicity:** Not hazardous by OSHA criteria.

**Reproductive Effects:** Not hazardous by OSHA criteria.

**Developmental Effects:**

**Teratogenicity:** Not hazardous by OSHA criteria.

**Embryotoxicity:** Not hazardous by OSHA criteria.

**Respiratory Sensitization:** Not hazardous by OSHA criteria.

**Skin Sensitization:** Not hazardous by OSHA criteria.

**Toxicologically Synergistic Materials:** Not available.

**Section 12: ECOLOGICAL INFORMATION**

**Ecotoxicity:** May cause long-term adverse effects in the aquatic environment

**Persistence / Degradability:** Not available.

**Bioaccumulation / Accumulation:** Not available.

**Mobility in Environment:** Not available.

**Section 13: DISPOSAL CONSIDERATIONS**

**Disposal Instructions:**

This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

**Section 14: TRANSPORTATION INFORMATION**

**DOT Classification**  
ORM-D

**Section 15: REGULATORY INFORMATION**

**Federal Regulations**

**US:** MSDS prepared pursuant to the Hazard Communication Standard (29 CFR 1910.1200).

**SARA Title III**

Ingredient	Section 302 (EHS) TPQ (lbs.)	Section 304 EHS RQ (lbs.)	CERCLA RQ (lbs.)	Section 313
Distillates (petroleum), hydrotreated light	Not listed.	Not listed.	Not listed.	Not listed.
Stoddard solvent	Not listed.	Not listed.	Not listed.	Not listed.
n-Butane	Not listed.	Not listed.	Not listed.	Not listed.
Propane	Not listed.	Not listed.	Not listed.	Not listed.

MATERIAL SAFETY DATA SHEET  
SSS Lemon Oil Furniture Polish

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f

**State Regulations**

**California Proposition 65:**

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**Global Inventories**

**Ingredient**

Distillates (petroleum), hydrotreated light  
Stoddard solvent  
n-Butane  
Propane

**USA  
TSCA**  
Yes.  
Yes.  
Yes.  
Yes.

**HMS - Hazardous Materials Identification System**

Health - 2      Flammability - 1      Physical Hazard - 0      PPE - B

**NFPA - National Fire Protection Association:**

Health - 2      Fire - 1      Reactivity - 0

**Hazard Rating:** 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

**SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:**

**OSHA (O)** Occupational Safety and Health Administration.

**ACGIH (G)** American Conference of Governmental Industrial Hygienists.

- A1 - Confirmed human carcinogen.
- A2 - Suspected human carcinogen.
- A3 - Animal carcinogen.
- A4 - Not classifiable as a human carcinogen.
- A5 - Not suspected as a human carcinogen.

**IARC (I)** International Agency for Research on Cancer.

- 1 - The agent (mixture) is carcinogenic to humans.
- 2A - The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.
- 2B - The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.
- 3 - The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.
- 4 - The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.

**NTP (N)** National Toxicology Program.

- 1 - Known to be carcinogens.
- 2 - Reasonably anticipated to be carcinogens.

**Section 16: OTHER INFORMATION**

**Disclaimer:**

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

**Prepared by:** Nexreg Compliance Inc.

**Prepared for:** Triple S

Phone: (978) 667-7900

# Northland Chemical Corp.

1170 Eagan Industrial Rd, Eagan, MN 55121

Phone: ..... 651-414-6246

Fax: ..... 651-414-6249



## MATERIAL SAFETY DATA SHEET

N/A = Not Applicable

(Prepared According to 29 CFR 1910.1200)

Effective Date 05/01/12

### Section 1 - PRODUCT IDENTIFICATION

Product Name: ... Molecules Dry  
Generic Name: ... Odor Counteractant  
Suppliers Name: ... NORTHLAND CHEMICAL CORP.  
Suppliers Address: 1170 Eagan Industrial Rd, Eagan, MN 55121

Chemical Family: ... N/A  
Formula: ..... N/A  
Phone: ..... 651-414-6246  
Emergency: ..... 800-255-3924

#### NPCA Hazardous Materials Identification

Health	1
Flammability	0
Reactivity	1
Maximum Personal Protection	A

### Section 2 - INGREDIENTS

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV C	CARCINOGEN
Isoparaffinic Hydrocarbon	64742-47-8		400ppm	400ppm	N/A	No
Liquefied Petroleum Gas	68476-85-7		1000 ppm	1000 ppm	N/A	No

### Section 3 - PHYSICAL DATA

Bolling Range: 212°F  
Vapor Pressure: 100  
% Volatile: N/A  
Solubility in Water: 100%  
Physical Description: Aerosol spray with pleasant fresh odor.

Specific Gravity: (Water=1) 0.96  
Vapor Density: (Air=1) >1  
pH: N/A  
Evaporation Rate: 2+

### Section 4 - FIRE AND EXPLOSION DATA

Flash Point (Method Used): >140F (TCC)  
Flammable Limits: LEL: N/A UEL: N/A  
Extinguishing Media: Standard Chemical Fire Extinguisher  
Special Fire Fighting Procedures: None  
Unusual Fire and Explosion Hazards: Contents under pressure. Exposure to temperatures above 120°F may cause bursting. May develop a flammable atmosphere in confined areas.

### Section 5 - REACTIVITY DATA

Stability: Stable  
Incompatibility (Materials to Avoid): None  
Hazardous Decomposition or Byproducts: None  
Conditions to avoid: Temperature above 120°F, hot surfaces.

Hazardous Polymerization: Will not occur.  
Vapor Density: (Air=1) >1

### Section 6 - STORAGE AND HANDLING INFORMATION

Precautions to be Taken in Handling and Storage:  
Do not use or store near heat, sparks, fire or open flame.  
Exposure to temperatures above 120°F, may cause bursting. Do not puncture or incinerate. Vapor may collect in low lying areas.

### Section 7 - HEALTH HAZARDS AND FIRST AID

Effects of Overexposure:  
Primary Route of Entry:  
Skin: ..... May cause localized irritation.  
Eyes: ..... May cause irritation and reddening.  
Inhalation: ..... Will cause dizziness if inhaled directly or exposed to.  
Ingestion: ..... N/A

First Aid Procedures:  
Skin: ..... Wash thoroughly with soap and water.  
Eyes: ..... Flush with water for 15 minutes and contact physician.  
Inhalation: ..... Remove to fresh air.  
Ingestion: ..... N/A

### Section 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection: ..... Use only in well ventilated area.  
Protective Gloves: ..... N/A  
Other Protective Equipment: ..... N/A

Ventilation: ..... Local exhaust.  
Eye Protection: ..... Safety glasses recommended.

### Section 9 - SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled:  
Wipe up with rag or use an absorbent clay for large spills.

Waste Disposal Method:  
Any method in accordance with applicable laws.

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.



M A T E R I A L   S A F E T Y   D A T A   S H E E T

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24-hour Emergency Phone: (800)255-3924

PRODUCT CODE: 1319

===== SECTION V - REACTIVITY DATA =====

**STABILITY:** Product is stable under normal conditions.

**CONDITIONS TO AVOID:** Extreme heat or direct sunlight.

**INCOMPATIBILITY (MATERIALS TO AVOID):** Acids, strong oxidizers.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:** Thermal decomposition and burning may produce carbon dioxide and carbon monoxide.

**HAZARDOUS POLYMERIZATION:** Will not occur under normal conditions.

===== SECTION VI - HEALTH HAZARD DATA =====

**PRIMARY ROUTES OF ENTRY:** Inhalation   X              Eye Contact   X    
Skin Contact   X              Ingestion     

**EXPOSURE LIMIT:** Refer to Section II for PEL / TLV exposure limits.

**ACUTE EFFECTS OF OVEREXPOSURE**

**INHALATION:** May cause nose, throat, and lung irritation.

**EYE CONTACT:** Eye irritant. May cause injury if left untreated.

**SKIN CONTACT:** Causes skin irritation.

**SKIN ABSORPTION:** Product is very corrosive to skin.

**INGESTION:** Exposure can result in irritation and corrosive action in the mouth, stomach tissue and digestive tract.

**CHRONIC EFFECTS OF OVEREXPOSURE:** Ingestion of this product is corrosive causing tissue destruction in the mouth and esophagus. Can be fatal if left untreated by competent medical personnel.

**CARCINOGENICITY:** NTP CARCINOGEN:         IARC MONOGRAPHS:         OSHA REGULATED:     

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY OVEREXPOSURE:** Skin contact may aggravate existing dermatitis.

**EMERGENCY AND FIRST AID PROCEDURES**

**INHALATION:** Remove to fresh air immediately. If person experiences nausea, headache, dizziness, or has difficulty breathing, get medical attention immediately.

**EYE CONTACT:** Flush eyes with cool running water for 15 minutes while calling for IMMEDIATE MEDICAL ATTENTION. Washing eyes within several seconds is essential to achieve maximum effectiveness.

**SKIN CONTACT:** In case of contact, immediately flush skin with soap and water. Remove contaminated clothing and wash thoroughly before reuse. If irritation occurs, consult a physician.

**INGESTION:** DO NOT INDUCE VOMITING. Drink two large glasses of water. Get immediate medical attention.

24-hour Emergency Phone: (800)255-3924

PRODUCT CODE: 1319

## ===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Stop source of spill. Absorb with inert absorbant material and dispose of in a manner consistant with applicable regulations.

**WASTE DISPOSAL METHOD:** Dispose of in accordance with applicable Federal, State, and local regulations. Under RCRA regulations, it is the responsibility of the product user to determine, at the time of disposal, whether a material is hazardous.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Do not store above 120 F. Keep closure tight and container upright to prevent leakage. Store drum out of sunlight and away from heat, sparks, or flame. Store only in well-ventilated areas.

**OTHER PRECAUTIONS:** Follow label instructions. KEEP OUT OF REACH OF CHILDREN.

## ===== SECTION VIII - PERSONEL SAFETY MEASURES =====

**RESPIRATORY PROTECTION:** None required in excess of normal ventilation.

**VENTILATION:** Local mechanical exhaust to provide normal ventilation.

**PROTECTIVE GLOVES:** Impervious gloves recommended.

**EYE PROTECTION:** Use safety eyewear designed to protect against splash of liquids.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** None required.

**WORK/HYGIENIC PRACTICES:** Wash thoroughly after handling.

## ===== SECTION IX - REGULATORY INFORMATION =====

**TOXIC SUBSTANCES CONTROL ACT (TSCA):** All chemical components in this product are listed on the TSCA Inventory List, or are exempt from listing.

**SARA Section 312 HAZARD CATEGORIES:** Fire Hazard\_\_\_ Reactivity Hazard\_\_\_

Acute Health Hazard X Chronic Health Hazard\_\_\_ Pressure Hazard\_\_\_

**SARA Section 313 REPORTABLE COMPONENTS:** (See Section II, If Applicable)

## ===== SECTION X - SHIPPING INFORMATION =====

**DOT SHIPPING NAME:** Corrosive Liquids, n.o.s. (contains Sodium Hydroxide)

**DOT HAZARD CLASS:** Class 8

**UN NUMBER:** UN 1760

**DOT PACKING GROUP:** Group II

**SPECIAL SHIPPING INFORMATION:** Except Quarts

## ===== DISCLAIMER =====

The information on this Material Safety Data Sheet represents our current available data and best opinion as to the proper handling in use of this product under normal conditions. Any use of this product which is not in conformance with this Data Sheet or which involves using this product in combination with other materials, or processes is the sole responsibility of the user.

# MATERIAL SAFETY DATA SHEET

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HMIS Rating: Health=0, Flammability=0, Reactivity=0

## PRODUCT INFORMATION:

Product Name and Synonym: **Nylac Carpet Cleaner**  
Manufacturer's Name: Tonka Mills, Inc.  
Manufacturer's Address: PO Box 249, St. Bonifacius, MN 55375  
Telephone Number: 1-800-33 NYLAC (1-800-336-9522)

## PHYSICAL DATA:

Specific Gravity (Water=0)..... Aqueous Solution  
Vapor Pressure (mmHg)..... 20 C  
PH..... 9.5 Buffered  
Odor..... None

## HAZARDOUS INGREDIENTS:

**None:** Nylac is an aqueous solution of anionic organic surfactants and contains no heavy metal ions.

## FIRE, EXPLOSION & REACTIVITY DATA:

**Flash Point:** Non-flammable  
**Extinguishing Media:** Use media appropriate for surrounding material involved in fire.  
**Special Fire Fighting Procedures:** None  
**Unusual Fire and Explosion Hazards:** None  
**Stability:** Stable  
**Chemical Incompatibility:** Non known  
**Hazardous Decomposition of Byproducts:** None known  
**Hazardous Polymerization:** Will not occur  
**Conditions to Avoid:** None

## HEALTH HAZARD INFORMATION:

Inhalation: Non-vaporous  
Swallowing: Non-toxic irritant  
Skin Contact: Non-toxic  
Eye Contact: Non-toxic  
Probable Safe Concentration: As supplied  
Carcinogenic Effects: None known

## FIRST AID PROCEDURES:

Swallowing: Drink water or milk, Treat as for soap ingestion  
Skin Contact: Rinse with water  
Eye Contact: Flush with water  
Inhalation: No Problem

## PRECAUTIONS FOR SAFE HANDLING AND USE:

Nylac is safe to use, handle and store as packaged.

## REGULATORY INFORMATION:

### U.S. Regulations:

California Proposition 65: Not subject to the reporting requirements of California Proposition 65