


**PURELL® Foodservice Advanced Hand Sanitizer Foam**

Version 1.1

SDS Number: 400000005378

Revision Date: 08/02/2020

**SECTION 1. IDENTIFICATION**

Product name : PURELL® Foodservice Advanced Hand Sanitizer Foam

**Manufacturer or supplier's details**

Company name of supplier : GOJO Industries, Inc.

Address : One GOJO Plaza, Suite 500  
Akron, Ohio 44311

Telephone : 1 (330) 255-6000

Emergency telephone number : CHEMTREC 1-800-424-9300  
CHEMTREC +1-703-527-3887: Outside USA & CANADA

**Recommended use of the chemical and restrictions on use**

Recommended use : Hand Sanitizer

Restrictions on use : This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseeable use. Cosmetics and consumer products, specifically defined by regulations around the world, are exempt from the requirement of an SDS for the consumer. While this material is not considered hazardous, this SDS contains valuable information critical to the safe handling and proper use of the product for industrial workplace conditions as well as unusual and unintended exposures such as large spills. This SDS should be retained and available for employees and other users of this product. For specific intended-use guidance, please refer to the information provided on the package or instruction sheet.

**SECTION 2. HAZARDS IDENTIFICATION**
**GHS Classification**

Flammable liquids : Category 3

Eye irritation : Category 2A

**GHS label elements**

Hazard pictograms :



Signal word : Warning

Hazard statements : H226 Flammable liquid and vapour.  
H319 Causes serious eye irritation.

Precautionary statements : **Prevention:**  
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P233 Keep container tightly closed.


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P240 Ground/bond container and receiving equipment.  
 P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.  
 P242 Use only non-sparking tools.  
 P243 Take precautionary measures against static discharge.  
 P280 Wear eye protection/ face protection.  
**Response:**  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337 + P313 If eye irritation persists: Get medical advice/ attention.  
 P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.  
**Storage:**  
 P403 + P235 Store in a well-ventilated place. Keep cool.  
**Disposal:**  
 P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS****Hazardous components**

Chemical name	CAS-No.	Concentration (%)
Ethyl Alcohol	64-17-5	>= 60 - < 70
Isopropyl Alcohol	67-63-0	>= 1 - < 5

**SECTION 4. FIRST AID MEASURES**

General advice	: In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical advice.
If inhaled	: If inhaled, remove to fresh air. If symptoms persist, call a physician.
In case of skin contact	: Wash with water and soap as a precaution. Get medical attention if irritation develops and persists.
In case of eye contact	: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lens, if worn. Seek medical advice.
If swallowed	: Do NOT induce vomiting. Rinse mouth with water. Obtain medical attention.
Most important symptoms and effects, both acute and delayed	: Causes serious eye irritation.
Protection of first-aiders	: First Aid responders should pay attention to self-protection and use the recommended protective clothing


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**SECTION 5. FIREFIGHTING MEASURES**

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : Do not use a solid water stream as it may scatter and spread fire.  
Cool closed containers exposed to fire with water spray.  
Flash back possible over considerable distance.  
May form explosive mixtures in air.  
Exposure to decomposition products may be a hazard to health.  
Carbon oxides  
Silicon oxides
- Hazardous combustion products : Carbon oxides  
Silicon oxides
- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Use water spray to cool unopened containers.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.  
Use personal protective equipment.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Ensure adequate ventilation.  
Remove all sources of ignition.  
Evacuate personnel to safe areas.  
Keep people away from and upwind of spill/leak.  
Material can create slippery conditions.
- Environmental precautions : Discharge into the environment must be avoided.  
Prevent further leakage or spillage if safe to do so.  
Retain and dispose of contaminated wash water.  
Local authorities should be advised if significant spillages cannot be contained.
- Methods and materials for containment and cleaning up : Non-sparking tools should be used.  
Soak up with inert absorbent material.  
Suppress (knock down) gases/vapours/mists with a water spray jet.  
Keep in suitable, closed containers for disposal.  
Clean contaminated floors and objects thoroughly while observing environmental regulations.

**SECTION 7. HANDLING AND STORAGE**




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Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.  
Avoid contact with eyes.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : liquid  
 Colour : clear, colourless, yellow  
 Odour : like fruit  
 Odour Threshold : No data available

pH : 6 - 9, (20 °C)

Melting point/freezing point : No data available  
 Initial boiling point and boiling range : 74.00 °C  
 Flash point : 27.00 °C

Evaporation rate : No data available

Flammability (solid, gas) : Not applicable

Flammability (liquids) : No data available

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapour pressure : No data available

Relative vapour density : No data available

Density : 0.8730 g/cm<sup>3</sup>

Solubility(ies)  
 Water solubility : soluble

Partition coefficient: n-octanol/water : Not applicable  
 Auto-ignition temperature : No data available

Thermal decomposition : The substance or mixture is not classified self-reactive.

Viscosity  
 Viscosity, kinematic : 10 - 20 mm<sup>2</sup>/s (20 °C)

Explosive properties : Not explosive

Oxidizing properties : The substance or mixture is not classified as oxidizing.

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity : Not classified as a reactivity hazard.  
 Chemical stability : Stable under normal conditions.


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Possibility of hazardous reactions	: Vapours may form explosive mixture with air.
Conditions to avoid	: Heat, flames and sparks.
Incompatible materials	: Strong oxidizing agents Flammable solids Water-reactive substances
Hazardous decomposition products	: No hazardous decomposition products are known.

**SECTION 11. TOXICOLOGICAL INFORMATION**
**Information on likely routes of exposure**

Inhalation  
Eye contact  
Skin contact

**Acute toxicity**

Not classified based on available information.

**Components:**
**Ethyl Alcohol:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity : LC50 (Rat): 124.7 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour

**Isopropyl Alcohol:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity : LC50 (Rat): 72.6 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour

Acute dermal toxicity : LD50 (Rat): > 5,000 mg/kg

**Skin corrosion/irritation**

Not classified based on available information.

**Components:**
**Ethyl Alcohol:**

Species: Rabbit  
Method: OECD Test Guideline 404  
Result: No skin irritation

**Isopropyl Alcohol:**

Species: Rabbit  
Result: No skin irritation

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Components:**
**Ethyl Alcohol:**

Species: Rabbit


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Result: Irritation to eyes, reversing within 21 days  
Method: OECD Test Guideline 405

**Isopropyl Alcohol:**

Species: Rabbit

Result: Irritation to eyes, reversing within 21 days

**Respiratory or skin sensitisation**

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

**Components:****Ethyl Alcohol:**

Test Type: Local lymph node assay (LLNA)

Exposure routes: Skin contact

Species: Mouse

Result: negative

**Isopropyl Alcohol:**

Test Type: Buehler Test

Exposure routes: Skin contact

Species: Guinea pig

Method: OECD Test Guideline 406

Result: negative

**Germ cell mutagenicity**

Not classified based on available information.

**Components:****Ethyl Alcohol:**

Genotoxicity in vitro : Test Type: In vitro mammalian cell gene mutation test  
Result: negative

Genotoxicity in vivo : Test Type: Rodent dominant lethal test (germ cell) (in vivo)  
Test species: Mouse  
Application Route: Ingestion  
Result: negative

**Isopropyl Alcohol:**

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)  
Result: negative

Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo  
cytogenetic assay)  
Test species: Mouse  
Application Route: Intraperitoneal injection  
Result: negative

**Carcinogenicity**

Not classified based on available information.

**Components:****Isopropyl Alcohol:**

Species: Rat


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Application Route: inhalation (vapour)  
 Exposure time: 104 weeks  
 Method: OECD Test Guideline 451  
 Result: negative

<b>IARC</b>	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.
<b>OSHA</b>	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.
<b>NTP</b>	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.

**Reproductive toxicity**

Not classified based on available information.

**Components:**
**Ethyl Alcohol:**

Effects on fertility : Test Type: Two-generation reproduction toxicity study  
 Species: Mouse  
 Application Route: Ingestion  
 Method: OECD Test Guideline 416  
 Result: negative

**Isopropyl Alcohol:**

Effects on fertility : Test Type: Two-generation reproduction toxicity study  
 Species: Rat  
 Application Route: Ingestion  
 Result: negative

Effects on foetal development : Test Type: Embryo-foetal development  
 Species: Rat  
 Application Route: Ingestion  
 Result: negative

**STOT - single exposure**

Not classified based on available information.

**Components:**
**Isopropyl Alcohol:**

Assessment: May cause drowsiness or dizziness.

**STOT - repeated exposure**

Not classified based on available information.

**Repeated dose toxicity**
**Components:**
**Ethyl Alcohol:**

Species: Rat  
 NOAEL: 2,400 mg/kg


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Application Route: Ingestion  
Exposure time: 2 y

**Isopropyl Alcohol:**

Species: Rat  
NOAEL: 5000 ppm  
Application Route: inhalation (vapour)  
Exposure time: 104 w  
Method: OECD Test Guideline 413

**Aspiration toxicity**

Not classified based on available information.

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**SECTION 12. ECOLOGICAL INFORMATION**
**Ecotoxicity****Components:****Ethyl Alcohol:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): > 1,000 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 1,000 mg/l  
aquatic invertebrates Exposure time: 48 h

Toxicity to algae : EC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

Toxicity to daphnia and other : NOEC (Daphnia magna (Water flea)): 9.6 mg/l  
aquatic invertebrates Exposure time: 9 d  
(Chronic toxicity)

Toxicity to bacteria : EC50 (Photobacterium phosphoreum): 32.1 mg/l  
Exposure time: 0.25 h

**Isopropyl Alcohol:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 10,000 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 10,000 mg/l  
aquatic invertebrates Exposure time: 24 h

Toxicity to bacteria : EC50 (Pseudomonas putida): > 1,050 mg/l  
Exposure time: 16 h

**Persistence and degradability****Components:****Ethyl Alcohol:**

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 84 %  
Exposure time: 20 d

**Isopropyl Alcohol:**


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Biodegradability : Result: rapidly degradable

**Bioaccumulative potential**
**Components:**
**Ethyl Alcohol:**

Partition coefficient: n-octanol/water : log Pow: -0.35

**Isopropyl Alcohol:**

Partition coefficient: n-octanol/water : log Pow: 0.05

**Mobility in soil**

No data available

**Other adverse effects**

No data available

**Product:**

Regulation 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

**SECTION 13. DISPOSAL CONSIDERATIONS**
**Disposal methods**

Waste from residues : Dispose of in accordance with local regulations.  
 Contaminated packaging : Dispose of as unused product.  
 Empty containers should be taken to an approved waste handling site for recycling or disposal.

**SECTION 14. TRANSPORT INFORMATION**
**International Regulation**
**IATA-DGR**

UN/ID No. : UN 1987  
 Proper shipping name : Alcohols, n.o.s.  
 (Ethanol, Propan-2-ol)  
 Class : 3  
 Packing group : III  
 Packing instruction (cargo aircraft) : 366  
 Packing instruction (passenger aircraft) : 355

**IMDG-Code**

UN number : UN 1987  
 Proper shipping name : ALCOHOLS, N.O.S.  
 (Ethanol, Propan-2-ol)  
 Class : 3


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Packing group : III  
 Labels : 3  
 EmS Code : F-E, S-D  
 Marine pollutant : no

**National Regulations**
**49 CFR**

UN/ID/NA number : UN 1987  
 Proper shipping name : Alcohols, n.o.s.  
 Class : 3  
 Packing group : III  
 ERG Code : 127  
 Marine pollutant : no

**SECTION 15. REGULATORY INFORMATION**
**EPCRA - Emergency Planning and Community Right-to-Know Act**

**SARA 311/312 Hazards** : Fire Hazard  
 Acute Health Hazard

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : The following components are subject to reporting levels established by SARA Title III, Section 313:

Isopropyl Alcohol	67-63-0	3.4086 %
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**Clean Air Act**

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM1

Intermediate or Final VOC's (40 CFR 60.489):

Ethyl Alcohol	64-17-5	65.2821 %
Isopropyl Alcohol	67-63-0	3.4086 %

This product does not contain any VOC exemptions listed under the U.S. Clean Air Act Section 450.

**California Prop 65** : This product does not require a warning label under California Proposition 65.

**The components of this product are reported in the following inventories:**

TSCA : On TSCA Inventory  
 AICS : On the inventory, or in compliance with the inventory  
 DSL : On the inventory, or in compliance with the inventory  
 ENCS : On the inventory, or in compliance with the inventory  
 ISHL : On the inventory, or in compliance with the inventory


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KECI : On the inventory, or in compliance with the inventory

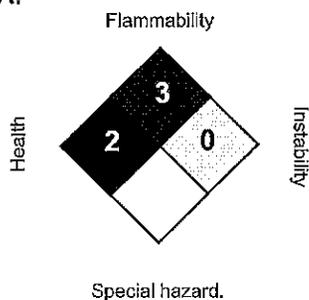
PICCS : On the inventory, or in compliance with the inventory

IECSC : On the inventory, or in compliance with the inventory

NZIoC : On the inventory, or in compliance with the inventory

**Inventories**

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

**SECTION 16. OTHER INFORMATION**
**Further information**
**NFPA:**

**HMIS III:**

<b>HEALTH</b>	<b>2</b>
<b>FLAMMABILITY</b>	<b>3</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

Revision Date : 08/02/2020

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

Item # 90

# SAFETY DATA SHEET

Issuing Date 25-Sep-2015

Revision Date 07-Oct-2015

Revision Number 3



The supplier identified below generated this SDS using the UL SDS template. UL did not test, certify, or approve the substance described in this SDS, and all information in this SDS was provided by the supplier or was reproduced from publicly available regulatory data sources. UL makes no representations or warranties regarding the completeness or accuracy of the information in this SDS and disclaims all liability in connection with the use of this information or the substance described in this SDS. The layout, appearance and format of this SDS is © 2014 UL LLC. All rights reserved

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

Product Name Royal Crown Shave Powder, Medium Strength

### Other means of identification

Synonyms None

### Recommended use of the chemical and restrictions on use

Recommended Use Hair Removal Wax

Uses advised against No information available

### Details of the supplier of the safety data sheet

Supplier Name J. Strickland & Co.

Supplier Address P.O. Box 1637  
10420 DeSoto Road  
Olive Branch  
MS  
38654  
US

Supplier Phone Number Phone:662-890-2306  
Fax:662-890-2306

Supplier Email canglin@jstrickland.net

### Emergency telephone number

Company Emergency Phone Number 662-890-4357

## 2. HAZARDS IDENTIFICATION

### Classification

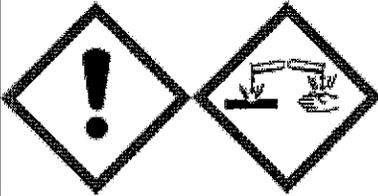
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Acute toxicity - Oral	Category 4
Skin corrosion/irritation	Category 1



Serious eye damage/eye irritation	Category 1
Specific target organ toxicity (single exposure)	Category 3

**GHS Label elements, including precautionary statements****Emergency Overview**

<b>Signal word</b>	<b>Danger</b>
<b>Hazard Statements</b> Harmful if swallowed Causes severe skin burns and eye damage May cause respiratory irritation. May cause drowsiness or dizziness	
	
<b>Appearance</b> Light gray	<b>Physical state</b> Powder(s) Solid
<b>Odor</b> Strong	

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product  
Do not breathe dust/fume/gas/mist/vapors/spray  
Wear protective gloves/protective clothing/eye protection/face protection  
Use only outdoors or in a well-ventilated area

**Precautionary Statements - Response**

Immediately call a POISON CENTER or doctor/physician  
Specific treatment (see supplemental first aid instructions on this label)

**Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
Immediately call a POISON CENTER or doctor/physician

**Skin**

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
Wash contaminated clothing before reuse

**Inhalation**

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
Immediately call a POISON CENTER or doctor/physician  
Call a POISON CENTER or doctor/physician if you feel unwell

**Ingestion**

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
Rinse mouth  
Do NOT induce vomiting

**Precautionary Statements - Storage**

Store locked up  
Store in a well-ventilated place. Keep container tightly closed



**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Unknown Toxicity**

43.27 % of the mixture consists of ingredient(s) of unknown toxicity

**Other information**

Toxic to aquatic life

**Interactions with Other Chemicals**

No information available.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%	Trade Secret
Maize starch	9005-25-8	15 - 40	*
Calcium hydroxide	1305-62-0	10 - 30	*
Limestone	1317-65-3	10 - 30	*
Barium sulfide	21109-95-5	7 - 13	*
Talc	14807-96-6	5 - 10	*
Magnesium carbonate	546-93-0	1 - 5	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret

**4. FIRST AID MEASURES****First aid measures****General Advice**

Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

**Eye contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Seek immediate medical attention/advice.

**Skin contact**

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Seek immediate medical attention/advice.

**Inhalation**

Remove to fresh air. If breathing has stopped, give artificial respiration. Get medical attention immediately. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If breathing is difficult, (trained personnel should) give oxygen. Delayed pulmonary edema may occur. Get medical attention immediately if symptoms occur.

**Ingestion**

Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

**Self-protection of the first aider**

Ensure that medical personnel are aware of the material(s) involved, take precautions to



protect themselves and prevent spread of contamination. Avoid contact with skin, eyes or clothing. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Use personal protective equipment as required. Wear personal protective clothing (see section 8).

**Most important symptoms and effects, both acute and delayed**

**Most Important Symptoms and Effects** Burning sensation.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure.

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media**

CAUTION: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical**

The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors.

**Uniform Fire Code** Corrosive: Base-Solid

**Explosion Data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Attention! Corrosive material. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

**Other Information** DO NOT GET WATER INSIDE CONTAINERS.

### Environmental precautions

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Should not be released into the environment. Do not allow to enter into soil/subsoil. Prevent product from entering drains.

### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** With clean shovel place material into clean, dry container and cover loosely; move containers from spill area. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Dike far ahead of liquid spill for later disposal. Following product recovery, flush area with water. Pick up and transfer to properly labeled containers.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. In case of insufficient ventilation, wear suitable respiratory equipment. Use only with adequate ventilation and in closed systems.

### Conditions for safe storage, including any incompatibilities

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children. Protect from moisture. Store away from other materials.

**Incompatible Products** Acids. Bases. Oxidizing agent.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Maize starch 9005-25-8	TWA: 10 mg/m <sup>3</sup>	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) TWA: 15 mg/m <sup>3</sup> total dust (vacated) TWA: 5 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable dust



Calcium hydroxide 1305-62-0	TWA: 5 mg/m <sup>3</sup>	respirable fraction TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) TWA: 5 mg/m <sup>3</sup> not in effect as a result of reconsideration	TWA: 5 mg/m <sup>3</sup>
Limestone 1317-65-3	-	TWA: 15 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup> (vacated) TWA: 15 mg/m <sup>3</sup> (vacated) TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> respirable dust TWA: 10 mg/m <sup>3</sup> total dust
Barium sulfide 21109-95-5	TWA: 0.5 mg/m <sup>3</sup> Ba	TWA: 0.5 mg/m <sup>3</sup> Ba (vacated) TWA: 0.5 mg/m <sup>3</sup> Ba	TWA: 0.5 mg/m <sup>3</sup> except Barium sulfate Ba
Talc 14807-96-8	TWA: 2 mg/m <sup>3</sup>	(vacated) TWA: 2 mg/m <sup>3</sup>	IDLH: 1000 mg/m <sup>3</sup> containing no asbestos and <1% quartz TWA: 2 mg/m <sup>3</sup>
Magnesium carbonate 546-93-0	-	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) TWA: 15 mg/m <sup>3</sup> total dust (vacated) TWA: 5 mg/m <sup>3</sup> respirable fraction	TWA: 10 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable dust

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits NIOSH IDLH Immediately Dangerous to Life or Health

**Other Exposure Guidelines** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992) See section 15 for national exposure control parameters

#### Appropriate engineering controls

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems

#### Individual protection measures, such as personal protective equipment

**Eye/face protection** Face protection shield.

**Skin and body protection** Wear protective gloves and protective clothing. Long sleeved clothing. Impervious gloves. Chemical resistant apron.

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Take off contaminated clothing and wash before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

<b>Physical state</b>	Powder(s), Solid	<b>Odor</b>	Strong
<b>Appearance</b>	Light gray	<b>Odor Threshold</b>	No information available
<b>Color</b>	No information available		



<u>Property</u>	<u>Values</u>	<u>Remarks</u>	<u>Method</u>
pH	No data available	None known	
Melting / freezing point	No data available	None known	
Boiling point / boiling range	No data available	None known	
Flash Point	No data available	None known	
Evaporation Rate	No data available	None known	
Flammability (solid, gas)	No data available	None known	
Flammability Limit in Air			
Upper flammability limit	No data available		
Lower flammability limit	No data available		
Vapor pressure	No data available	None known	
Vapor density	No data available	None known	
Specific Gravity	No data available	None known	
Water Solubility	Dispersible	None known	
Solubility in other solvents	No data available	None known	
Partition coefficient: n-octanol/water	No data available	None known	
Autoignition temperature	No data available	None known	
Decomposition temperature	No data available	None known	
Kinematic viscosity	No data available	None known	
Dynamic viscosity	No data available	None known	
Explosive properties	No data available		
Oxidizing properties	No data available		

**Other Information**

Softening Point	No data available
VOC Content (%)	No data available
Particle Size	No data available
Particle Size Distribution	

## 10. STABILITY AND REACTIVITY

**Reactivity**

No data available.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to avoid**

Exposure to air or moisture over prolonged periods.

**Incompatible materials**

Acids. Bases. Oxidizing agent.

**Hazardous Decomposition Products**

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure****Product Information****Inhalation**

Specific test data for the substance or mixture is not available. Corrosive by inhalation. (based on components). May cause irritation of respiratory tract. Inhalation of corrosive fumes/gases may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish



skin, decreased blood pressure, and increased heart rate. Inhaled corrosive substances can lead to a toxic edema of the lungs. Pulmonary edema can be fatal.

<b>Eye contact</b>	Specific test data for the substance or mixture is not available. Causes burns. (based on components). Corrosive to the eyes and may cause severe damage including blindness. Causes serious eye damage. May cause irreversible damage to eyes.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available. Corrosive. (based on components). Causes burns.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available. Causes burns. Harmful if swallowed. (based on components). Ingestion may cause irritation to mucous membranes. Ingestion causes burns of the upper digestive and respiratory tracts. May cause severe burning pain in the mouth and stomach with vomiting and diarrhea of dark blood. Blood pressure may decrease. Brownish or yellowish stains may be seen around the mouth. Swelling of the throat may cause shortness of breath and choking. May cause lung damage if swallowed. May be fatal if swallowed and enters airways. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

#### Component Information

Chemical Name	Oral LD50	Dermat LD50	Inhalation LC50
Calcium hydroxide 1305-62-0	= 7340 mg/kg ( Rat )	-	-
Barium sulfide 21109-95-5	= 375 mg/kg ( Rat )	-	-

#### Information on toxicological effects

**Symptoms** Erythema (skin redness). May cause blindness. Burning. Coughing and/ or wheezing.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Sensitization** No information available.

**Mutagenic Effects** No information available.

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Talc 14807-96-6		Group 3		

*IARC (International Agency for Research on Cancer)  
Group 3 - Not Classifiable as to Carcinogenicity in Humans*

**Reproductive toxicity** No information available.

**STOT - single exposure** Based on classification criteria from the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200), this product has been determined to cause systemic target organ toxicity from acute exposure. (STOT SE). If this product is a mixture, the classification is not based on toxicology studies for this product, but is based solely on toxicology studies for ingredients found within this product. Detailed substance and/or ingredient information may be provided in other sections of this SDS. Target organs effects listed in this document may result from a single overexposure to this product.

**STOT - repeated exposure** No information available.

**Chronic Toxicity** Chronic exposure to corrosive fumes/gases may cause erosion of the teeth followed by jaw necrosis. Bronchial irritation with chronic cough and frequent attacks of pneumonia are



common. Gastrointestinal disturbances may also be seen. Carcinogenic potential is unknown.

**Target Organ Effects**

Respiratory system. Eyes. Skin. Gastrointestinal tract (GI).

**Aspiration Hazard**

No information available.

**Numerical measures of toxicity Product Information**

The following values are calculated based on chapter 3.1 of the GHS document

- ATEmix (oral)**  
1,497.00 mg/kg
- ATEmix (inhalation-gas)**  
21,616.00 ppm (4 hr)
- ATEmix (inhalation-dust/mist)**  
7.21 mg/l
- ATEmix (inhalation-vapor)**  
53.00 ATEmix

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Toxic to aquatic organisms.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Calcium hydroxide 1305-62-0		96h LC50: = 160 mg/L (Gambusia affinis)		
Talc 14807-96-6		96h LC50: > 100 g/L (Brachydanio rerio)		

**Persistence and Degradability**

No information available.

**Bioaccumulation**

No information available

**Other adverse effects**

No information available.



**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal methods** This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

**Contaminated Packaging** Dispose of contents/containers in accordance with local regulations.

**US EPA Waste Number** D005

**California Hazardous Waste Codes** 141

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste
Calcium hydroxide 1305-62-0	Corrosive
Barium sulfide 21109-95-5	Toxic

**14. TRANSPORT INFORMATION**

**DOT**

**Proper Shipping Name** CONSUMER COMMODITY  
**Hazard Class** N/A  
**Description** UN2923, CORROSIVE SOLIDS, TOXIC, N.O.S. (CALCIUM HYDROXIDE, BARIUM SULFIDE), 8 (, 6.1), II  
**Emergency Response Guide Number** 154

**TDG**

**Description** Not regulated  
 UN2923, CORROSIVE SOLID, TOXIC, N.O.S., 8 (, 6.1), II, MARINE POLLUTANT

**MEX**

**Description** Not regulated  
 UN2923, CORROSIVE SOLID, TOXIC, N.O.S., 8 (6.1), II

**ICAO**

**Description** Not regulated  
 UN2923, CORROSIVE SOLID, TOXIC, N.O.S., 8 (6.1), II

**IATA**

**Proper Shipping Name** Not regulated  
 NON REGULATED  
**Hazard Class** N/A  
**Subsidiary class** 6.1  
**Packing Group** III  
**ERG Code** 8P  
**Description** UN2923, CORROSIVE SOLID, TOXIC, N.O.S., 8 (6.1), II

**IMDG/IMO**

**Hazard Class** Not regulated  
 8  
**Subsidiary class** 6.1  
**Packing Group** III  
**EmS-No.** F-A, S-B  
**Description** UN2923, CORROSIVE SOLID, TOXIC, N.O.S., 8 (6.1), II, MARINE POLLUTANT



<b>RID</b>	Not regulated
<b>Description</b>	UN2923, CORROSIVE SOLID, TOXIC, N.O.S., 8 (6.1), II, ENVIRONMENTALLY HAZARDOUS
<b>ADR</b>	Not regulated
<b>Description</b>	UN2923, CORROSIVE SOLID, TOXIC, N.O.S., 8 (6.1), II, ENVIRONMENTALLY HAZARDOUS
<b>ADN</b>	Not regulated
<b>Description</b>	UN2923, CORROSIVE SOLID, TOXIC, N.O.S., 8 (6.1), II, ENVIRONMENTALLY HAZARDOUS

**15. REGULATORY INFORMATION**

**International Inventories**

TSCA	Complies
DSL	All components are listed either on the DSL or NDSL.
IECSC	-

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

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

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Maize starch 9005-25-8		X	X		
Calcium hydroxide 1305-62-0	X	X	X		



Limestone 1317-65-3	X	X	X		
Barium sulfide 21109-95-5			X	X	
Talc 14807-96-6	X	X	X		
Magnesium carbonate 546-93-0	X	X			

**International Regulations**

**Mexico**

**National occupational exposure limits**

Component	Carcinogen Status	Exposure Limits
Calcium hydroxide 1305-62-0 ( 10 - 30 )		Mexico: TWA 5 mg/m <sup>3</sup>
Limestone 1317-65-3 ( 10 - 30 )		Mexico: TWA= 10 mg/m <sup>3</sup> Mexico: STEL= 20 mg/m <sup>3</sup>
Barium sulfide 21109-95-5 ( 7 - 13 )		Mexico: TWA 0.5 mg/m <sup>3</sup>
Talc 14807-96-6 ( 5 - 10 )		Mexico: TWA= 2 mg/m <sup>3</sup>
Magnesium carbonate 546-93-0 ( 1 - 5 )		Mexico: TWA 10 mg/m <sup>3</sup> Mexico: STEL 20 mg/m <sup>3</sup>

*Mexico - Occupational Exposure Limits - Carcinogens*

**Canada**

**WHMIS Hazard Class**

Not determined

**16. OTHER INFORMATION**

<b>NFPA</b>	<b>Health Hazards 3</b>	<b>Flammability 0</b>	<b>Instability 0</b>	<b>Physical and Chemical Hazards -</b>
<b>HMIS</b>	<b>Health Hazards 3</b>	<b>Flammability 0</b>	<b>Physical Hazard 0</b>	<b>Personal Protection X</b>

**Prepared By** Product Stewardship  
23 British American Blvd.  
Latham, NY 12110  
1-800-572-6501

**Issuing Date** 25-Sep-2015  
**Revision Date** 07-Oct-2015  
**Revision Note** No information available

**Disclaimer**

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

**End of Safety Data Sheet**



**MATERIAL SAFETY DATA SHEET**

NOTE: This Material Safety Data Sheet (MSDS) is prepared for industrial / commercial use situations. The preparation of this MSDS may be required by law, but this is not an assertion that this product presents a risk in the normal consumer use situation.

**SECTION I. PRODUCT & COMPANY IDENTIFICATION**

PRODUCT NAME: **Suave Lotions –  
All Variants**

MSDS NUMBER: 4053

CORPORATE ADDRESS: Unilever  
700 Sylvan Avenue  
Englewood Cliffs, NJ 07632

PHONE #:	800-782-8301 Monday thru Friday (8:30 AM – 6:00 PM EST)
EMERGENCY #:	800-745-9269 (24 Hours)
POISON CONTROL #:	800-949-7866 (24 Hours)
CHEMTREC #:	800-424-9300 (24 Hours, Transportation Emergencies)

All written inquiries should be sent to:  
Unilever Consumer Services, 920 Sylvan Avenue, Englewood Cliffs, NJ 07632 or Fax to: 201-227-5859

**SECTION II. HAZARDS IDENTIFICATION**

EXPOSURE EFFECTS: This is a personal care product that is safe for consumers when used according to the label directions. Like many consumer products, a small number of individuals may experience reactions such as redness, rash and /or swelling upon prolonged or repeated skin contact or eye contact.

HAZARD RATINGS: Health: 0, Fire: 1, Physical Hazards: 0  
Ratings are based on a 0-4 scale, with 0 representing minimal and 4 representing significant hazards or risks.

**SECTION III. COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredients as defined by 29 CFR § 1910.1200:

CHEMICAL NAME	CAS NUMBER	% RANGE
Glycerin	56-81-5	3.5 - 12

**SECTION IV. FIRST AID MEASURES**

EYE CONTACT: Rinse thoroughly with water.

SKIN CONTACT: Rinse with water.

INGESTION: Do not induce vomiting. Drink a glass of milk or water.

INHALATION: Move individual to fresh air.

NOTE: If symptoms persist, seek medical attention.

### **SECTION V. FIRE FIGHTING MEASURES**

HAZARD CLASSIFICATION: Not flammable  
 FLASHPOINT: Not available, expected to be >140°F, based on composition  
 EXTINGUISHING MEDIA: Water mist, carbon dioxide, foams or dry chemicals  
 SPECIAL FIREFIGHTING PROCEDURES: Use water spray or fog, direct stream may produce foam  
 HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon, nitrogen; hydrocarbons & derivatives  
 CONTENTS UNDER PRESSURE: No  
 EXPLOSIVE: No

### **SECTION VI. ACCIDENTAL RELEASE MEASURES**

SPILLS, LEAKS: Small or household quantities may be cleaned up and disposed of in household trash. For large (industrial) releases, prevent spill from entering a waterway. Material may be slippery if spilled.

### **SECTION VII. HANDLING & STORAGE**

HANDLING PRECAUTIONS: No special precautions necessary  
 STORAGE REQUIREMENTS: Store in a dry area at normal temperatures

### **SECTION VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION**

CHEMICAL NAME	CAS #	ACGIH TLV	OSHA PEL
Glycerin	56-81-5	TWA=10mg/m <sup>3</sup>	TWA=5mg/m <sup>3</sup> (respirable) TWA=15mg/m <sup>3</sup> (total)

#### **PERSONAL PROTECTION**

FOR ROUTINE CONSUMER USE: No special precautions necessary  
 FOR INDUSTRIAL ACTIVITIES: Use protective eyewear, gloves, clothing and general ventilation

### **SECTION IX. PHYSICAL & CHEMICAL PROPERTIES**

FORM:	Viscous liquid	COLOR:	White or lightly tinted
ODOR:	Characteristic	SOLUBILITY:	Soluble in water
SPECIFIC GRAVITY:	1.0	VAPOR PRESSURE:	Not available
MELTING POINT:	Not available	VISCOSITY:	Not available
pH:	3 - 8	EVAPORATION RATE:	Not available
PERCENT VOLATILE:	Not available	PERCENT VOC:	Not available

### **SECTION X. STABILITY & REACTIVITY**

STABLE: Yes  
 HAZARDOUS DECOMPOSITION PRODUCTS: None known  
 INCOMPATIBLE WITH: Strong oxidizers, acids or bases

SPECIAL CONDITIONS TO AVOID: Extreme heat  
 CORROSIVE TO STEEL, ALUMINUM: No

### **SECTION XI. TOXICOLOGY INFORMATION**

#### **ACUTE EFFECTS**

EYE CONTACT: May cause redness or irritation  
 SKIN CONTACT: Overexposure may cause a skin reaction such as redness  
 INGESTION: May cause nausea, vomiting and diarrhea.  
 RESPIRATORY: Not an expected route of exposure

**CHRONIC EFFECTS:** None expected

#### **CARCINOGEN CLASSIFICATIONS**

NTP: None  
 IARC: None  
 OSHA: None

### **SECTION XII. ECOLOGICAL INFORMATION**

This product is safe for the environment at the concentrations predicted under normal use conditions.

### **SECTION XIII. DISPOSAL CONSIDERATIONS**

RCRA: Non-hazardous waste pursuant to federal standards. Does not meet the federal characteristic definition of ignitable, corrosive, reactive or toxic. Not listed in 40 CFR § 261.33.  
 Disposal should be in accordance with all applicable local, state and federal regulations.

### **SECTION XIV. TRANSPORT INFORMATION**

FOR NON-BULK SHIPMENTS ONLY	DOMESTIC-LAND (US DOT)	INTERNATIOAL-AIR (IATA/ICAO)	INTERNATIONAL-WATER (IMO/IMDG)
PROPER SHIPPING NAME:	Not applicable	Not applicable	Not applicable
HAZARD CLASS:	“	“	“
UN/ID #:	“	“	“
PACKING GROUP:	“	“	“
LABEL REQUIRED:	“	“	“

EMERGENCY GUIDE NUMBER: Not applicable  
 DOT HAZARDOUS SUBSTANCE RQ: None/no reportable quantities  
 DOT MARINE POLLUTANTS: None/no reportable quantities  
 IATA FORBIDDEN SUBSTANCES: None/no reportable quantities

### **SECTION XV. REGULATORY INFORMATION**

TSCA: Not applicable  
 RCRA: See Section XIII. Disposal Considerations  
 CAA HAPS or Ozone Depletors: None/no reportable quantities

CERCLA/SARA 302 Hazardous Substances: None/no reportable quantities  
 CERCLA/SARA 311/312 Hazard Categories: None/no reportable quantities  
 CERCLA/SARA 313 Emissions Reporting: None/no reportable quantities  
 CA 22 CCR Hazardous Wastes: None/no reportable quantities  
 CA Proposition 65 Listed Chemicals: None/no reportable quantities  
 IL, MA, NJ, PA, RI State RTK & Hazardous Notifications: Glycerin (as mist)  
 CANADIAN DSL/NDL: All components comply with registration requirements

## **SECTION XVI. OTHER INFORMATION**

### LEGEND:

ACGIH	American Conference of Governmental & Industrial Hygienists	N/A	Not Applicable
CAA	Clean Air Act	NFPA	National Fire Protection Association
CAS	Chemical Abstract Service	NTP	National Toxicology Program
CCR	California Code of Regulations	OSHA	Occupation Safety & Health Administration
CERCLA	Comprehensive Environmental Response, Compensation & Liability Act	PEL	Permissible Exposure Limit
CFR	Code of Federal Regulations	RCRA	Resource Conservation & Recovery Act
DOT	Department of Transportation	RQ	Reportable Quantity
EPCRA	Emergency Planning and Community Right-To-Know Act	RTK	Right-To-Know
EST	Eastern Standard Time	SARA	Superfund Amendments & Reauthorization Act
HAPS	Hazardous Air Pollutants	STEL	Short-Term Exposure Limit
HMIS	Hazardous Materials Information System	TBD	To Be Determined
HON	Hazardous Organic NESIAP (National Emission Standards for Hazardous Air Pollutants)	TCC	Tagliabue Closed Cup
IARC	International Agency for the Research of Cancer	TLV	Threshold Limit Value
IATA	International Air Traffic Association	TSCA	Toxic Substances Control Act
ICAO	International Civil Aviation Organization	TWA	Time Weighted Average
IMDG	International Maritime Dangerous Goods	TCLP	Toxicity Characteristic Leaching Procedure
IMO	International Maritime Organization	VOC	Volatile Organic Compounds

Unilever  
 Regulatory Affairs  
 40 Merritt Boulevard  
 Trumbull, CT 06611

Formulation, Date & Clearance: 11140656-11, 6/3/2009, 80647  
 MSDS Date: 8/17/2010 2:47 PM

The information contained in this MSDS is based on data which is believed to be accurate. While Unilever believes that the data contained herein comply with 29 CFR 1910.1200, they are not to be taken as a warranty or representation for which Unilever assumes legal responsibility. They are offered solely for your consideration and verification. This MSDS is not prepared for consumer use.

# MATERIAL SAFETY DATA SHEET

NOTE: This Material Safety Data Sheet (MSDS) is prepared for industrial / commercial use situations. The preparation of this MSDS may be required by law, but this is not an assertion that this product presents a risk in the normal consumer use situation.



## SECTION I. PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME: **Suave Aerosol Anti-Perspirant Deodorant – All Variants**  
MSDS NUMBER: 1750  
CORPORATE ADDRESS: Unilever  
700 Sylvan Avenue  
Englewood Cliffs, NJ 07632

PHONE #:	800-782-8301 Monday thru Friday (8:30 AM – 6:00 PM EST)
EMERGENCY #:	800-745-9269 (24 Hours)
POISON CONTROL #:	800-949-7866 (24 Hours)
CHEMTREC #:	800-424-9300 (24 Hours, Transportation Emergencies)

All written inquiries should be sent to:  
Unilever Consumer Services, 920 Sylvan Avenue, Englewood Cliffs, NJ 07632 or Fax to: 201-227-5859

## SECTION II. HAZARDS IDENTIFICATION

**WARNING: Flammable. Do not spray near flame or while smoking. Contents under pressure. Do not crush, puncture, or incinerate. Do not store at room temperatures above 120°F. Keep out of reach of children.**

**WARNING: For external use only. Use only as directed. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. Avoid spraying in eyes. Keep away from face and mouth to avoid breathing it.**

EXPOSURE EFFECTS: This is a personal care product that is safe for consumers when used according to the label directions. Like many consumer products, a small number of individuals may experience reactions such as redness, rash and /or swelling upon prolonged or repeated skin contact or eye contact.

HAZARD RATINGS: Health: 1, Fire: 2, Physical Hazards: 1  
Ratings are based on a 0-4 scale, with 0 representing minimal and 4 representing significant hazards or risks.

## SECTION III. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients as defined by 29 CFR 1910.1200:

CHEMICAL NAME	CAS NUMBER	% RANGE
Butane (Propellant A-17)	106-97-8	30 – 40

Hydrofluorocarbon 152a (Difluoroethane)	75-37-6	15 – 25
Talc	14807-96-6	0 – 3

**SECTION IV. FIRST AID MEASURES**

EYE CONTACT: Rinse thoroughly with water.  
 SKIN CONTACT: Discontinue use if rash or irritation occurs. Rinse with water.  
 INGESTION: Do not induce vomiting. Get medical help or contact a Poison Control Center.  
 INHALATION: Move individual to fresh air.  
 NOTE: If symptoms persist, seek medical attention.

**SECTION V. FIRE FIGHTING MEASURES**

HAZARD CLASSIFICATION: Flammable. See Section XIV for Shipping Classifications.  
 FLASHPOINT: Not applicable. Aerosol flame extension <18 inches/45 cm.  
 NFPA CLASSIFICATION: Aerosol Level 2 per NFPA 30B.  
 EXTINGUISHING MEDIA: Water mist/spray, carbon dioxide, foams or dry chemicals.  
 SPECIAL FIREFIGHTING PROCEDURES: Since pressurized aerosol cans may explode when exposed to excessive heat, protect from excessive heat with water spray.  
 HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon, nitrogen; hydrocarbons & derivatives.  
 CONTENTS UNDER PRESSURE: Yes. Exposure to temperature > 130°F/55°C may cause bursting.  
 EXPLOSIVE: Yes.

**SECTION VI. ACCIDENTAL RELEASE MEASURES**

SPILLS, LEAKS: Small or household quantities may be cleaned up and disposed of in household trash. For large (industrial) releases, eliminate all sources of ignition and ventilate the area with equipment rated for use in a flammable environment.

**SECTION VII. HANDLING & STORAGE**

HANDLING PRECAUTIONS: Contents under pressure. Do not puncture or incinerate container. Do not use when smoking or in presence of fire, open flame, sparks or heat.  
 STORAGE REQUIREMENTS: Do not store at temperatures above 120°F/50°C or in enclosed places that could overheat. Do not place in hot water or near radiators, stoves or other sources of heat.

**SECTION VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION**

CHEMICAL NAME	CAS #	ACGIH TLV	OSHA PEL
Butane (Propellant A-17)	106-97-8	TWA=1000 ppm	None established
Difluoroethane (HFC-152a)	75-37-6	None established	None established
Talc	14807-96-6	TWA=2 mg/m <sup>3</sup> , respirable fraction, particulate matter	TWA=20mpp cf, Table Z-3 Mineral dusts

**PERSONAL PROTECTION**  
FOR ROUTINE CONSUMER USE:

Avoid inhalation. Avoid spraying in eyes. Use only as directed.  
 Do not use on broken skin. Stop use if rash or irritation occurs.

FOR INDUSTRIAL ACTIVITIES:

Use protective eyewear, gloves, clothing and general ventilation.

**SECTION IX. PHYSICAL & CHEMICAL PROPERTIES**

FORM:	Liquid in pressurized metal can	COLOR:	White
ODOR:	Characteristic	SOLUBILITY:	Not available
SPECIFIC GRAVITY:	Not available	PRESSURE:	52-60 PSIG at 70°F/21°C. <140 PSIG at 130°F/54°C.
MELTING POINT:	Not available	VISCOSITY:	Not available
pH:	Not available	EVAPORATION RATE:	Not available
PERCENT VOLATILE:	Not available	PERCENT VOC:	40

**SECTION X. STABILITY & REACTIVITY**

STABLE:	Yes.
HAZARDOUS DECOMPOSITION PRODUCTS:	None known.
INCOMPATIBLE WITH:	Strong oxidizers, acids or bases. Do not expose to heat or in enclosed places that could overheat.
SPECIAL CONDITIONS TO AVOID:	Open flames, high temperatures, sunlight or impact.
CORROSIVE TO STEEL, ALUMINUM:	No.

**SECTION XI. TOXICOLOGY INFORMATION****ACUTE EFFECTS**

EYE CONTACT:	May cause redness or irritation.
SKIN CONTACT:	Overexposure may cause a skin reaction such as redness. Do not use on broken skin.
INGESTION:	May cause nausea, vomiting and diarrhea.
RESPIRATORY:	Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

**CHRONIC EFFECTS:** None expected

**CARCINOGEN CLASSIFICATIONS**

NTP:	None
IARC:	None
OSHA:	None

**SECTION XII. ECOLOGICAL INFORMATION**

This product is safe for the environment at the concentrations predicted under normal use conditions.

**SECTION XIII. DISPOSAL CONSIDERATIONS**

Disposal by Consumer: Contents under pressure. Do not puncture or incinerate. Waste generated in the course of normal consumer use is not subject to RCRA. Consumer waste should be disposed of in accordance with all applicable local, state and federal regulations.

Disposal by Manufacturer/Vendors: Waste meets the federal definition of hazardous waste due to the ignitability characteristic (D0001) as defined at 40 CFR § 261.21. Hazardous Waste Generator may dispose of individual consumer containers in drums or other appropriate containers. Generator cannot incinerate waste without puncturing and releasing flammable gas from all pressurized consumer packaging using the appropriate aerosol disposal equipment to ensure worker safety.

#### **SECTION XIV. TRANSPORT INFORMATION**

FOR NON-BULK SHIPMENTS ONLY	LAND (US DOT)	AIR (IATA/ICAO)	WATER (IMO/IMDG)
PROPER SHIPPING NAME:	Consumer Commodity	Consumer Commodity	Aerosols
HAZARD CLASS:	ORM-D & ORM-D-AIR (Cargo Only)	9 (Cargo Only)	2
UN/ID #:	None	ID8000	UN1950
PACKING GROUP:	None	None	None
LABEL REQUIRED:	None	Miscellaneous	None

EMERGENCY GUIDE NUMBER: ID8000 Consumer Commodity = 171  
UN1950 Aerosol = 126

DOT HAZARDOUS SUBSTANCE RQ: None/no reportable quantities

DOT MARINE POLLUTANTS: None/no reportable quantities

IATA - Substances Forbidden from Air Transport: None/no reportable quantities

IATA - Subst. Forbidden from Passenger Transport: Butane, Difluoroethane

#### **SECTION XV. REGULATORY INFORMATION**

TSCA: Not applicable

RCRA: See Section XIII - Disposal Considerations

CAA HAPS or Ozone Depletors: None/no reportable quantities

CERCLA/SARA 302 Hazardous Substances: None/no reportable quantities

CERCLA/SARA 311/312 Hazard Categories: None/no reportable quantities

CERCLA/SARA 313 Emissions Reporting: None/no reportable quantities

CERCLA RQ: Butane and Difluoroethane - 100 lbs

CA 22 CCR Hazardous Wastes: None/no reportable quantities

CA Proposition 65 Listed Chemicals: None/no reportable quantities

IL, MA, NJ, PA, RI State RTK, Hazardous & Other Notifications: Butane, Difluoroethane

#### **SECTION XVI. OTHER INFORMATION**

##### LEGEND:

ACGIH	American Conference of Governmental & Industrial Hygienists	LVOC	Low Volatile Organic Compound
CAA	Clean Air Act	N/A	Not Applicable
CARB	California Air Resources Board	NFPA	National Fire Protection Association
CAS	Chemical Abstract Service	NTP	National Toxicology Program
CCR	California Code of Regulations	OSHA	Occupation Safety & Health Administration
CERCLA	Comprehensive Environmental Response, Compensation & Liability Act	PEL	Permissible Exposure Limit

CFR	Code of Federal Regulations	RCRA	Resource Conservation & Recovery Act
DOT	Department of Transportation	RQ	Reportable Quantity
EPCRA	Emergency Planning and Community Right-To-Know Act	RTK	Right-To-Know
EST	Eastern Standard Time	SARA	Superfund Amendments & Reauthorization Act
HAPS	Hazardous Air Pollutants	STEL	Short-Term Exposure Limit
HMIS	Hazardous Materials Information System	TBD	To Be Determined
HON	Hazardous Organic NESHAP (National Emission Standards for Hazardous Air Pollutants)	TCC	Tagliabue Closed Cup
HVOC	High Volatile Organic Compound	TLV	Threshold Limit Value
IARC	International Agency for the Research of Cancer	TSCA	Toxic Substances Control Act
IATA	International Air Traffic Association	TWA	Time Weighted Average
ICAO	International Civil Aviation Organization	TCLP	Toxicity Characteristic Leaching Procedure
IMDG	International Maritime Dangerous Goods	VOC	Volatile Organic Compounds
IMO	International Maritime Organization		

Unilever  
Regulatory Affairs  
40 Merritt Boulevard  
Trumbull, CT 06611

Formulation, Date & Clearance: 11108589-2, 8/7/2006, R00TBD  
MSDS Date: 1/19/2011 2:06 PM

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**MATERIAL SAFETY DATA SHEET**

NOTE: This Material Safety Data Sheet (MSDS) is prepared for industrial / commercial use situations. The preparation of this MSDS may be required by law, but this is not an assertion that this product presents a risk in the normal consumer use situation.

**SECTION I. PRODUCT & COMPANY IDENTIFICATION**

PRODUCT NAME: **Suave Shampoo – All Variants**  
 MSDS NUMBER: 1874-16  
 CORPORATE ADDRESS: Unilever  
 700 Sylvan Avenue  
 Englewood Cliffs, NJ 07632

PHONE #:	800-782-8301 Monday thru Friday (8:30 AM – 6:00 PM EST)
EMERGENCY #:	800-745-9269 (24 Hours)
POISON CONTROL #:	800-949-7866 (24 Hours)
CHEMTREC #:	800-424-9300 (24 Hours, Transportation Emergencies)

All written inquiries should be sent to:  
 Unilever Consumer Services, 920 Sylvan Avenue, Englewood Cliffs, NJ 07632 or Fax to: 201-227-5859

**SECTION II. HAZARDS IDENTIFICATION**

EXPOSURE EFFECTS: This is a personal care product that is safe for consumers when used according to the label directions. Like many consumer products, a small number of individuals may experience reactions such as redness, rash and /or swelling upon prolonged or repeated skin contact or eye contact.

HAZARD RATINGS: Health: 0, Fire: 1, Physical Hazards: 0  
 Ratings are based on a 0-4 scale, with 0 representing minimal and 4 representing significant hazards or risks.

**SECTION III. COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredients as defined by 29 CFR § 1910.1200:

CHEMICAL NAME	CAS NUMBER	% RANGE
Ammonium chloride	12125-02-9	0 – 3

**SECTION IV. FIRST AID MEASURES**

EYE CONTACT: Rinse thoroughly with water.  
 SKIN CONTACT: Rinse with water.  
 INGESTION: Do not induce vomiting. Drink a glass of milk or water.  
 INHALATION: Move individual to fresh air.

NOTE: If symptoms persist, seek medical attention.

### SECTION V. FIRE FIGHTING MEASURES

HAZARD CLASSIFICATION: Not flammable  
 FLASHPOINT: Not available, expected to be >140°F/60°C, based on composition  
 EXTINGUISHING MEDIA: Water mist, carbon dioxide, foams or dry chemicals  
 SPECIAL FIREFIGHTING PROCEDURES: Use water spray or fog, direct stream may produce foam  
 HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon, nitrogen; hydrocarbons & derivatives  
 CONTENTS UNDER PRESSURE: No  
 EXPLOSIVE: No

### SECTION VI. ACCIDENTAL RELEASE MEASURES

SPILLS, LEAKS: Small or household quantities may be cleaned up and disposed of in household trash. For large (industrial) releases, prevent spill from entering a waterway. Material may be slippery if spilled.

### SECTION VII. HANDLING & STORAGE

HANDLING PRECAUTIONS: No special precautions necessary  
 STORAGE REQUIREMENTS: Store in a dry area at normal temperatures

### SECTION VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION

CHEMICAL NAME	CAS #	ACGIH TLV	OSHA PEL
Ammonium Chloride	12125-02-9	TWA=10mg/m <sup>3</sup> STEL=20mg/m <sup>3</sup>	None Established

#### PERSONAL PROTECTION

FOR ROUTINE CONSUMER USE: No special precautions necessary  
 FOR INDUSTRIAL ACTIVITIES: Use protective eyewear, gloves, clothing and general ventilation

### SECTION IX. PHYSICAL & CHEMICAL PROPERTIES

FORM:	Liquid	COLOR:	Various tinted shades
ODOR:	Characteristic	SOLUBILITY:	Soluble in water
SPECIFIC GRAVITY:	1.0	VAPOR PRESSURE:	Not available
MELTING POINT:	Not available	VISCOSITY:	2000 – 9000 cps
pH:	5 - 7	EVAPORATION RATE:	Not available
PERCENT VOLATILE:	Not available	PERCENT VOC:	Not available

### SECTION X. STABILITY & REACTIVITY

STABLE: Yes  
 HAZARDOUS DECOMPOSITION PRODUCTS: None known  
 INCOMPATIBLE WITH: Strong oxidizers, acids or bases  
 SPECIAL CONDITIONS TO AVOID: Extreme heat

CORROSIVE TO STEEL, ALUMINUM: No

**SECTION XI. TOXICOLOGY INFORMATION****ACUTE EFFECTS**

EYE CONTACT: May cause redness or irritation  
 SKIN CONTACT: Overexposure may cause a skin reaction such as redness  
 INGESTION: May cause nausea, vomiting and diarrhea.  
 RESPIRATORY: Not an expected route of exposure

**CHRONIC EFFECTS:** None expected

**CARCINOGEN CLASSIFICATIONS**

NTP: None  
 IARC: None  
 OSHA: None

**SECTION XII. ECOLOGICAL INFORMATION**

This product is safe for the environment at the concentrations predicted under normal use conditions.

**SECTION XIII. DISPOSAL CONSIDERATIONS**

RCRA: Non-hazardous waste pursuant to federal standards. Does not meet the federal characteristic definition of ignitable, corrosive, reactive or toxic. Not listed in 40 CFR § 261.33.  
 Disposal should be in accordance with all applicable local, state and federal regulations.

**SECTION XIV. TRANSPORT INFORMATION**

<b>FOR SHIPMENT IN CONSUMER PACKAGING</b>	<b>DOMESTIC - ALL MODES (US DOT)</b>	<b>INTERNATIONAL - AIR (IATA/ICAO)</b>	<b>INTERNATIONAL - WATER (IMO/IMDG)</b>
PROPER SHIPPING NAME:	Not regulated	Not regulated	Not regulated
HAZARD CLASS:	"	"	"
UN/ID #:	"	"	"
PACKING GROUP:	"	"	"
LABEL REQUIRED:	"	"	"

EMERGENCY GUIDE NUMBER: Not applicable  
 DOT HAZARDOUS SUBSTANCE RQ: Ammonium chloride RQ = 5,000 lbs  
 DOT MARINE POLLUTANTS: None/no reportable quantities  
 IATA FORBIDDEN SUBSTANCES: None/no reportable quantities

**SECTION XV. REGULATORY INFORMATION**

TSCA: All components of this product comply with TSCA inventory listing requirements  
 RCRA: See Section XIII. Disposal Considerations  
 CAA HAPS or Ozone Depletors: None/no reportable quantities  
 CERCLA/SARA 302 Hazardous Substances: None/no reportable quantities

CERCLA/SARA 311/312 Hazard Categories: None/no reportable quantities  
 CERCLA/SARA 313 Emissions Reporting: None/no reportable quantities  
 CA 22 CCR Hazardous Wastes: None/no reportable quantities  
 CA Proposition 65 Listed Chemicals: None/no reportable quantities  
 IL, MA, NJ, PA, RI State RTK & Hazardous Notifications: Ammonium chloride

## **SECTION XVI. OTHER INFORMATION**

### LEGEND:

ACGIH	American Conference of Governmental & Industrial Hygienists	LVOC	Low Volatile Organic Compound
CAA	Clean Air Act	N/A	Not Applicable
CARB	California Air Resources Board	NFPA	National Fire Protection Association
CAS	Chemical Abstract Service	NTP	National Toxicology Program
CCR	California Code of Regulations	OSHA	Occupation Safety & Health Administration
CERCLA	Comprehensive Environmental Response, Compensation & Liability Act	PEL	Permissible Exposure Limit
CFR	Code of Federal Regulations	RCRA	Resource Conservation & Recovery Act
DOT	Department of Transportation	RQ	Reportable Quantity
EPCRA	Emergency Planning and Community Right-To-Know Act	RTK	Right-To-Know
EST	Eastern Standard Time	SARA	Superfund Amendments & Reauthorization Act
HAPS	Hazardous Air Pollutants	STEL	Short-Term Exposure Limit
HMIS	Hazardous Materials Information System	TBD	To Be Determined
HON	Hazardous Organic NESHAP (National Emission Standards for Hazardous Air Pollutants)	TCC	Tagliabue Closed Cup
HVOC	High Volatile Organic Compound	TLV	Threshold Limit Value
IARC	International Agency for the Research of Cancer	TSCA	Toxic Substances Control Act
IATA	International Air Traffic Association	TWA	Time Weighted Average
ICAO	International Civil Aviation Organization	TCLP	Toxicity Characteristic Leaching Procedure
IMDG	International Maritime Dangerous Goods	VOC	Volatile Organic Compounds
IMO	International Maritime Organization		

Unilever  
 Regulatory Affairs  
 40 Merritt Boulevard  
 Trumbull, CT 06611

Formulation Date & Clearance: 83153771-1, 4/13/2010, R68585  
 MSDS Date: 2/17/2011 10:23 AM

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**MATERIAL SAFETY DATA SHEET**

NOTE: This Material Safety Data Sheet (MSDS) is prepared for industrial / commercial use situations. The preparation of this MSDS may be required by law, but this is not an assertion that this product presents a risk in the normal consumer use situation.

**SECTION I. PRODUCT & COMPANY IDENTIFICATION**

PRODUCT NAME: **Suave Lotions –  
All Variants**

MSDS NUMBER: 4053

CORPORATE ADDRESS: Unilever  
700 Sylvan Avenue  
Englewood Cliffs, NJ 07632

PHONE #:	800-782-8301 Monday thru Friday (8:30 AM – 6:00 PM EST)
EMERGENCY #:	800-745-9269 (24 Hours)
POISON CONTROL #:	800-949-7866 (24 Hours)
CHEMTREC #:	800-424-9300 (24 Hours, Transportation Emergencies)

All written inquiries should be sent to:  
Unilever Consumer Services, 920 Sylvan Avenue, Englewood Cliffs, NJ 07632 or Fax to: 201-227-5859

**SECTION II. HAZARDS IDENTIFICATION**

EXPOSURE EFFECTS: This is a personal care product that is safe for consumers when used according to the label directions. Like many consumer products, a small number of individuals may experience reactions such as redness, rash and /or swelling upon prolonged or repeated skin contact or eye contact.

HAZARD RATINGS: Health: 0, Fire: 1, Physical Hazards: 0  
Ratings are based on a 0-4 scale, with 0 representing minimal and 4 representing significant hazards or risks.

**SECTION III. COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredients as defined by 29 CFR § 1910.1200:

CHEMICAL NAME	CAS NUMBER	% RANGE
Glycerin	56-81-5	3.5 - 12

**SECTION IV. FIRST AID MEASURES**

EYE CONTACT: Rinse thoroughly with water.  
SKIN CONTACT: Rinse with water.  
INGESTION: Do not induce vomiting. Drink a glass of milk or water.  
INHALATION: Move individual to fresh air.

NOTE: If symptoms persist, seek medical attention.

### SECTION V. FIRE FIGHTING MEASURES

HAZARD CLASSIFICATION: Not flammable  
 FLASHPOINT: Not available, expected to be >140°F, based on composition  
 EXTINGUISHING MEDIA: Water mist, carbon dioxide, foams or dry chemicals  
 SPECIAL FIREFIGHTING PROCEDURES: Use water spray or fog, direct stream may produce foam  
 HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon, nitrogen; hydrocarbons & derivatives  
 CONTENTS UNDER PRESSURE: No  
 EXPLOSIVE: No

### SECTION VI. ACCIDENTAL RELEASE MEASURES

SPILLS, LEAKS: Small or household quantities may be cleaned up and disposed of in household trash. For large (industrial) releases, prevent spill from entering a waterway. Material may be slippery if spilled.

### SECTION VII. HANDLING & STORAGE

HANDLING PRECAUTIONS: No special precautions necessary  
 STORAGE REQUIREMENTS: Store in a dry area at normal temperatures

### SECTION VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION

CHEMICAL NAME	CAS #	ACGIH TLV	OSHA PEL
Glycerin	56-81-5	TWA=10mg/m <sup>3</sup>	TWA=5mg/m <sup>3</sup> (respirable) TWA=15mg/m <sup>3</sup> (total)

#### PERSONAL PROTECTION

FOR ROUTINE CONSUMER USE: No special precautions necessary  
 FOR INDUSTRIAL ACTIVITIES: Use protective eyewear, gloves, clothing and general ventilation

### SECTION IX. PHYSICAL & CHEMICAL PROPERTIES

FORM:	Viscous liquid	COLOR:	White or lightly tinted
ODOR:	Characteristic	SOLUBILITY:	Soluble in water
SPECIFIC GRAVITY:	1.0	VAPOR PRESSURE:	Not available
MELTING POINT:	Not available	VISCOSITY:	Not available
pH:	3 - 8	EVAPORATION RATE:	Not available
PERCENT VOLATILE:	Not available	PERCENT VOC:	Not available

### SECTION X. STABILITY & REACTIVITY

STABLE: Yes  
 HAZARDOUS DECOMPOSITION PRODUCTS: None known  
 INCOMPATIBLE WITH: Strong oxidizers, acids or bases

SPECIAL CONDITIONS TO AVOID: Extreme heat  
 CORROSIVE TO STEEL, ALUMINUM: No

### **SECTION XI. TOXICOLOGY INFORMATION**

#### **ACUTE EFFECTS**

EYE CONTACT: May cause redness or irritation  
 SKIN CONTACT: Overexposure may cause a skin reaction such as redness  
 INGESTION: May cause nausea, vomiting and diarrhea.  
 RESPIRATORY: Not an expected route of exposure

**CHRONIC EFFECTS:** None expected

#### **CARCINOGEN CLASSIFICATIONS**

NTP: None  
 IARC: None  
 OSHA: None

### **SECTION XII. ECOLOGICAL INFORMATION**

This product is safe for the environment at the concentrations predicted under normal use conditions.

### **SECTION XIII. DISPOSAL CONSIDERATIONS**

RCRA: Non-hazardous waste pursuant to federal standards. Does not meet the federal characteristic definition of ignitable, corrosive, reactive or toxic. Not listed in 40 CFR § 261.33.  
 Disposal should be in accordance with all applicable local, state and federal regulations.

### **SECTION XIV. TRANSPORT INFORMATION**

FOR NON-BULK SHIPMENTS ONLY	DOMESTIC-LAND (US DOT)	INTERNATIOAL-AIR (IATA/ICAO)	INTERNATIONAL-WATER (IMO/IMDG)
PROPER SHIPPING NAME:	Not applicable	Not applicable	Not applicable
HAZARD CLASS:	“	“	“
UN/ID #:	“	“	“
PACKING GROUP:	“	“	“
LABEL REQUIRED:	“	“	“

EMERGENCY GUIDE NUMBER: Not applicable  
 DOT HAZARDOUS SUBSTANCE RQ: None/no reportable quantities  
 DOT MARINE POLLUTANTS: None/no reportable quantities  
 IATA FORBIDDEN SUBSTANCES: None/no reportable quantities

### **SECTION XV. REGULATORY INFORMATION**

TSCA: Not applicable  
 RCRA: See Section XIII. Disposal Considerations  
 CAA HAPS or Ozone Depletors: None/no reportable quantities

CERCLA/SARA 302 Hazardous Substances: None/no reportable quantities  
 CERCLA/SARA 311/312 Hazard Categories: None/no reportable quantities  
 CERCLA/SARA 313 Emissions Reporting: None/no reportable quantities  
 CA 22 CCR Hazardous Wastes: None/no reportable quantities  
 CA Proposition 65 Listed Chemicals: None/no reportable quantities  
 IL, MA, NJ, PA, RI State RTK & Hazardous Notifications: Glycerin (as mist)  
 CANADIAN DSL/NDSL: All components comply with registration requirements

## SECTION XVI. OTHER INFORMATION

### LEGEND:

ACGIH	American Conference of Governmental & Industrial Hygienists	N/A	Not Applicable
CAA	Clean Air Act	NFPA	National Fire Protection Association
CAS	Chemical Abstract Service	NTP	National Toxicology Program
CCR	California Code of Regulations	OSHA	Occupation Safety & Health Administration
CERCLA	Comprehensive Environmental Response, Compensation & Liability Act	PEL	Permissible Exposure Limit
CFR	Code of Federal Regulations	RCRA	Resource Conservation & Recovery Act
DOT	Department of Transportation	RQ	Reportable Quantity
EPCRA	Emergency Planning and Community Right-To-Know Act	RTK	Right-To-Know
EST	Eastern Standard Time	SARA	Superfund Amendments & Reauthorization Act
HAPS	Hazardous Air Pollutants	STEL	Short-Term Exposure Limit
HMIS	Hazardous Materials Information System	TBD	To Be Determined
HON	Hazardous Organic NESHAP (National Emission Standards for Hazardous Air Pollutants)	TCC	Tagliabue Closed Cup
IARC	International Agency for the Research of Cancer	TLV	Threshold Limit Value
IATA	International Air Traffic Association	TSCA	Toxic Substances Control Act
ICAO	International Civil Aviation Organization	TWA	Time Weighted Average
IMDG	International Maritime Dangerous Goods	TCLP	Toxicity Characteristic Leaching Procedure
IMO	International Maritime Organization	VOC	Volatile Organic Compounds

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 40 Merritt Boulevard  
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Formulation, Date & Clearance: 11140656-11, 6/3/2009, 80647  
 MSDS Date: 8/17/2010 2:47 PM

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## SAFETY DATA SHEET

## 1. Identification

**Product number** 1000011464  
**Product identifier** EJ-811 HI-TECH LEMON LUSTER FURN. POL.  
**Revision date** 11-16-2016  
**Company information** Economical Janitorial & Paper Supplies, LLC.  
 1420 Sams Ave.  
 Suite F  
 Harahan, LA 70123 United States  
**Company phone** General Assistance 1-800-735-6745  
**Emergency telephone US** 1-866-836-8855  
**Emergency telephone outside US** 1-952-852-4646  
**Version #** 09  
**Supersedes date** 03-23-2016  
**Recommended use** COATING  
**Recommended restrictions** None known.

## 2. Hazard(s) identification

**Physical hazards** Flammable aerosols Category 1  
**Health hazards** Not classified.  
**OSHA defined hazards** Not classified.

## Label elements



**Signal word** Danger  
**Hazard statement** Extremely flammable aerosol.  
**Precautionary statement**  
**Prevention** Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use.  
**Response** If exposed or concerned: Get medical advice/attention.  
**Storage** Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.  
**Disposal** Dispose of waste and residues in accordance with local authority requirements.  
**Hazard(s) not otherwise classified (HNOC)** None known.  
**Supplemental information** None.

## 3. Composition/information on ingredients

## Mixtures

Chemical name	Common name and synonyms	CAS number	%
Butane		106-97-8	2.5 - 10
Propane		74-98-6	1 - 2.5
Other components below reportable levels			90 - 100

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

## 4. First-aid measures

**Inhalation** If symptoms develop move victim to fresh air. Get medical attention if symptoms persist.

Product name: 19 OZ HI-TECH LEMON FURN POLISH LB 12PK  
 Product #: 1000011464 Version #: 09 Revision date: 11-16-2016 Issue date: 05-06-2015

SDS US  
1 / 8

<b>Skin contact</b>	Wash off with soap and water. Get medical attention if irritation develops and persists.
<b>Eye contact</b>	Rinse with water. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Rinse mouth. Get medical attention if symptoms occur.
<b>Most important symptoms/effects, acute and delayed</b>	Direct contact with eyes may cause temporary irritation.
<b>Indication of immediate medical attention and special treatment needed</b>	Treat symptomatically.
<b>General information</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

## 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Not available.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
<b>Fire fighting equipment/instructions</b>	Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.
<b>General fire hazards</b>	Extremely flammable aerosol.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
<b>Methods and materials for containment and cleaning up</b>	Refer to attached safety data sheets and/or instructions for use. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. For waste disposal, see section 13 of the SDS.
<b>Environmental precautions</b>	Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

<b>Precautions for safe handling</b>	Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
<b>Conditions for safe storage, including any incompatibilities</b>	Level 1 Aerosol.  Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Propane (CAS 74-98-6)	PEL	1800 mg/m <sup>3</sup> 1000 ppm

#### US. ACGIH Threshold Limit Values

Components	Type	Value
Butane (CAS 106-97-8)	STEL	1000 ppm

#### US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Butane (CAS 106-97-8)	TWA	1900 mg/m <sup>3</sup> 800 ppm
Propane (CAS 74-98-6)	TWA	1800 mg/m <sup>3</sup> 1000 ppm

### Biological limit values

No biological exposure limits noted for the ingredient(s).

### Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

### Individual protection measures, such as personal protective equipment

#### Eye/face protection

Wear safety glasses with side shields (or goggles).

#### Skin protection

##### Hand protection

Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

##### Other

Wear suitable protective clothing.

#### Respiratory protection

If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

#### Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

### General hygiene considerations

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

### Appearance

Physical state	Gas.
Form	Aerosol.
Color	White.
Odor	Citrus
Odor threshold	Not available.
pH	10 - 11 estimated
Melting point/freezing point	Not available.
Initial boiling point and boiling range	212 °F (100 °C) estimated
Flash point	-156.0 °F (-104.4 °C) Propellant estimated
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.

Product name: 19 OZ HI-TECH LEMON FURN POLISH LB 12PK

Product #: 1000011464 Version #: 09 Revision date: 11-16-2016 Issue date: 05-06-2015

SDS US

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<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	65 - 85 psig @20C estimated
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Explosive properties</b>	Not explosive.
<b>Oxidizing properties</b>	Not oxidizing.
<b>Specific gravity</b>	0.991 - 1.002 estimated

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	No adverse effects due to inhalation are expected.
<b>Skin contact</b>	No adverse effects due to skin contact are expected.
<b>Eye contact</b>	Direct contact with eyes may cause temporary irritation.
<b>Ingestion</b>	Expected to be a low ingestion hazard.

**Symptoms related to the physical, chemical and toxicological characteristics**  
Direct contact with eyes may cause temporary irritation.

### Information on toxicological effects

#### Acute toxicity

Components	Species	Test Results
Butane (CAS 106-97-8)		
<u>Acute</u>		
<b>Inhalation</b>		
LC50	Mouse	1237 mg/l, 120 Minutes
	Rat	52 %, 120 Minutes
		1355 mg/l
Propane (CAS 74-98-6)		
<u>Acute</u>		
<b>Inhalation</b>		
LC50	Mouse	1237 mg/l, 120 Minutes
	Rat	52 %, 120 Minutes
		1355 mg/l

Components	Species	Test Results
		658 mg/l/4h

\* Estimates for product may be based on additional component data not shown.

<b>Skin corrosion/irritation</b>	Prolonged skin contact may cause temporary irritation.
<b>Serious eye damage/eye irritation</b>	Direct contact with eyes may cause temporary irritation.
<b>Respiratory or skin sensitization</b>	
<b>Respiratory sensitization</b>	Not a respiratory sensitizer.
<b>Skin sensitization</b>	This product is not expected to cause skin sensitization.
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
<b>Carcinogenicity</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>	Not listed.
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>	Not regulated.
<b>US, National Toxicology Program (NTP) Report on Carcinogens</b>	Not listed.
<b>Reproductive toxicity</b>	This product is not expected to cause reproductive or developmental effects.
<b>Specific target organ toxicity - single exposure</b>	Not classified.
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	Not likely, due to the form of the product.

## 12. Ecological information

<b>Ecotoxicity</b>	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
<b>Persistence and degradability</b>	No data is available on the degradability of this product.
<b>Bioaccumulative potential</b>	
<b>Partition coefficient n-octanol / water (log Kow)</b>	
Butane	2.89
Propane	2.36
<b>Mobility in soil</b>	No data available.
<b>Other adverse effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

<b>Disposal instructions</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous waste code</b>	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

## 14. Transport information

<b>DOT</b>	
<b>UN number</b>	UN1950
<b>UN proper shipping name</b>	Aerosols, flammable, (each not exceeding 1 L capacity)

**Transport hazard class(es)**

**Class** 2.1  
**Subsidiary risk** -  
**Label(s)** 2.1  
**Packing group** Not applicable.  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.  
**Special provisions** N82  
**Packaging exceptions** 306  
**Packaging non bulk** None  
**Packaging bulk** None

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking.

**IATA**

**UN number** UN1950  
**UN proper shipping name** Aerosols, flammable  
**Transport hazard class(es)**  
**Class** 2.1  
**Subsidiary risk** -  
**Label(s)** 2.1  
**Packing group** Not applicable.  
**Environmental hazards** No.  
**ERG Code** 10L  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.

**Other information**

**Passenger and cargo aircraft** Allowed with restrictions.  
**Cargo aircraft only** Allowed with restrictions.  
**Packaging Exceptions** LTD QTY

**IMDG**

**UN number** UN1950  
**UN proper shipping name** AEROSOLS  
**Transport hazard class(es)**  
**Class** 2.1  
**Subsidiary risk** -  
**Label(s)** 2.1  
**Packing group** Not applicable.  
**Environmental hazards**  
**Marine pollutant** No.  
**EmS** F-D, S-U  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.

**Packaging Exceptions** LTD QTY  
**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

**DOT**



IATA; IMDG



## 15. Regulatory information

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

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

**SARA 304 Emergency release notification**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not regulated.

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

**Hazard categories** Immediate Hazard - No  
Delayed Hazard - No  
Fire Hazard - Yes  
Pressure Hazard - Yes  
Reactivity Hazard - No

**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** No

**SARA 313 (TRI reporting)**

Not regulated.

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Butane (CAS 106-97-8)

Propane (CAS 74-98-6)

**Safe Drinking Water Act (SDWA)** Not regulated.

**US state regulations**

**US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)**

Not listed.

**US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))**

Butane (CAS 106-97-8)

**US. Massachusetts RTK - Substance List**

Butane (CAS 106-97-8)

Propane (CAS 74-98-6)

**US. New Jersey Worker and Community Right-to-Know Act**

Butane (CAS 106-97-8)

Propane (CAS 74-98-6)

**US. Pennsylvania Worker and Community Right-to-Know Law**

Butane (CAS 106-97-8)

Propane (CAS 74-98-6)

**US. Rhode Island RTK**

Butane (CAS 106-97-8)

Propane (CAS 74-98-6)

**US. California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

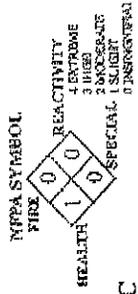
\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information, including date of preparation or last revision**

<b>Issue date</b>	05-06-2015
<b>Revision date</b>	11-16-2016
<b>Version #</b>	09
<b>Disclaimer</b>	The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.
<b>Revision information</b>	Product and Company Identification: Alternate Trade Names

Item # 101



# MATERIAL SAFETY DATA SHEET

EMERGENCY PHONE NUMBER (800) -- 535-5053 INFOTRAC

Date: MAY 22, 2008

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

SECTION: I TRADE NAME : LAVULOSO  
 IDENTIFICATION CHEMICAL FAMILY : CLEANING COMPOUND  
 OF PRODUCT : PRODUCT NUMBER : 5270  
 SHIPPING DESCRIPTION: CLEANING COMPOUND, NOS

SECTION: II - HAZARDOUS INGREDIENTS  
 HAZARDOUS COMPONENTS OSHA PEL ACGIH TLV CAS #

NONE

SECTION 313 - SUPPLIER NOTIFICATION:  
 THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372.  
 \*\*\*CAS #\*\*\*  
 CHEMICAL NAME  
 % By Wt.

NONE  
 THIS INFORMATION MUST BE INCLUDED IN ALL MSDS THAT ARE COPIED AND DISTRIBUTED FOR THIS MATERIAL.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS:  
 BOILING POINT = >212 DEGREES F  
 SPECIFIC GRAVITY (H2O=1) = 1.014  
 SOLUBILITY IN WATER = COMPLETE  
 APPEARANCE = PURPLE  
 ODOR = LAVENDER  
 VAPOR PRESSURE (mmHg) = N/A  
 VAPOR DENSITY (AIR=1) = N/A  
 EVAPORATION RATE (Butyl Act=1) = N/A  
 POUNDS PER GALLON = 8.4

SECTION IV - FIRE AND EXPLOSION HAZARD DATA:  
 FLASH POINT = NONE  
 EXTINGUISHING MEDIA = AS REQUIRED BY SURROUNDING FIRE  
 SPECIAL FIRE FIGHTING PROCEDURES = WEAR SELF-CONTAINED FULL-FACE BREATHING APPARATUS  
 UNUSUAL HAZARDS = NONE KNOWN

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

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

### SECTION VI - HEALTH HAZARDS DATA:

THRESHOLD LIMIT VALUE = NOT ESTABLISHED  
 CARCINOGENICITY = NO  
 IARC MONOGRAPHS = NO  
 OSHA REGULATED = NO  
 HEALTH HAZARDS ACUTE/CHRONIC = EYES: MAY CAUSE REDNESS OR IRRITATION.  
 INGESTION: MAY CAUSE NAUSEA, VOMITING AND DIARRHEA.

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

### SECTION VII - PRECAUTIONS FOR SAFE HANDLING:

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

### SECTION VIII - CONTROL MEASURES:

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

MANUFACTURER: TRANS GULF INDUSTRIES, INC.  
 6101 HUMPHREYS STREET  
 PO BOX 23809  
 HARAHAN, LA 70123  
 EMERGENCY PHONE #  
 DAY M-F (504) - 733-7865  
 NIGHT (800) - 535-5053

ITCM#102



# SAFETY DATA SHEET

Issuing Date January 5, 2015

Revision Date New

Revision Number 0

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Product Name** Clorox Commercial Solutions® Formula 409® Glass & Surface Cleaner

### Other means of identification

**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended use** Glass and surface cleaner

**Uses advised against** No information available

### Details of the supplier of the safety data sheet

#### **Supplier Address**

Clorox Professional Products Company  
1221 Broadway  
Oakland, CA 94612

Phone: 1-510-271-7000

### Emergency telephone number

#### **Emergency Phone Numbers**

For Medical Emergencies call: 1-800-446-1014  
For Transportation Emergencies, call Chemtrec: 1-800-424-9300

**2. HAZARDS IDENTIFICATION****Classification**

This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

**GHS Label elements, including precautionary statements****Emergency Overview**

This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Appearance** Clear, blue**Physical State** Thin liquid**Odor** Citrus, floral, powdery**Precautionary Statements - Prevention**

None

**Precautionary Statements - Response**

None

**Precautionary Statements - Storage**

None

**Precautionary Statements - Disposal**

None

**Hazards not otherwise classified (HNOC)**

Not applicable

**Unknown Toxicity**

0.1% of the mixture consists of ingredient(s) of unknown toxicity

**Other information**

May cause slight eye irritation.

**Interactions with Other Chemicals**

No information available.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

This product contains no substances that at their given concentrations are considered to be hazardous to health.

**4. FIRST AID MEASURES****First aid measures**

<b>General Advice</b>	Show this safety data sheet to the doctor in attendance.
<b>Eye Contact</b>	Hold eye open and rinse slowly and gently with water for 15–20 minutes. If present, remove contact lenses after the first 5 minutes of rinsing, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.
<b>Skin Contact</b>	Rinse skin with plenty of water. If irritation persists, call a doctor.
<b>Inhalation</b>	Move to fresh air. If breathing problems develop, call a doctor.
<b>Ingestion</b>	Drink a glassful of water. Call a doctor or poison control center.

**Most important symptoms and effects, both acute and delayed**

<b>Most Important Symptoms and Effects</b>	May cause slight eye irritation.
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**Indication of any immediate medical attention and special treatment needed**

<b>Notes to Physician</b>	Treat symptomatically.
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**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media**

CAUTION: Use of water spray when fighting fire may be inefficient.

**Specific Hazards Arising from the Chemical****Hazardous Combustion Products**

Oxides of carbon.

**Explosion Data**

**Sensitivity to Mechanical Impact** No.

**Sensitivity to Static Discharge** No.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions**                      Avoid contact with eyes.

**Other Information**                        Refer to protective measures listed in Sections 7 and 8.

**Environmental precautions**

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

**Methods and material for containment and cleaning up**

**Methods for Containment**                Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up**                Absorb and containerize. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Handling**                                      Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes, skin, and clothing. Do not eat, drink, or smoke when using this product.

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

**Storage**                                        Keep containers tightly closed.

**Incompatible Products**                    None known.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**                      This product does not contain any ingredients with occupational exposure limits that are at concentrations below their cut-off values/concentrations and that contribute to the hazard classification of the product.

**Appropriate engineering controls**

**Engineering Measures**                      Showers  
 Eyewash stations  
 Ventilation systems

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection**                      No special protective equipment required.

**Skin and Body Protection**                No special protective equipment required.

**Respiratory Protection**                    No protective equipment is needed under normal use conditions. If irritation is experienced, ventilation and evacuation may be required.

**Hygiene Measures**                         Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

<b>Physical State</b> <b>Appearance</b> <b>Color</b>	Thin liquid Clear Blue	<b>Odor</b> <b>Odor Threshold</b>	Citrus, floral, powdery No information available
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<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
pH	9 - 11.5	None known
Melting/freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash Point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
Upper flammability limit	No data available	None known
Lower flammability limit	No data available	None known
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Specific Gravity	~1.0	None known
Water Solubility	Complete	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive Properties	Not explosive	
Oxidizing Properties	No data available	

### Other Information

Softening Point	No data available
VOC Content (%)	No data available
Particle Size	No data available
Particle Size Distribution	No data available

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None known.

### Conditions to avoid

None known.

### Incompatible materials

None known.

### Hazardous Decomposition Products

None known.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

Inhalation	Exposure to vapor or mist may irritate respiratory tract.
Eye Contact	May cause slight irritation.
Skin Contact	May cause slight irritation.
Ingestion	Ingestion may cause slight irritation to mucous membranes and gastrointestinal tract.

### Information on toxicological effects

**Symptoms** May cause slight redness and tearing of eyes.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Sensitization</b>	No information available.
<b>Mutagenic Effects</b>	No information available.
<b>Carcinogenicity</b>	Contains no ingredients listed as a carcinogen.
<b>Reproductive Toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Chronic Toxicity</b>	No known effect based on information supplied.
<b>Target Organ Effects</b>	None known.
<b>Aspiration Hazard</b>	Not an aspiration hazard.

### Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document  
No information available.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

No information available.

### Persistence and Degradability

No information available.

### Bioaccumulation

No information available.

### Other adverse effects

No information available.

### 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

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

#### Contaminated Packaging

Do not reuse empty containers. Dispose of in accordance with all applicable federal, state, and local regulations.

### 14. TRANSPORT INFORMATION

**DOT** Not regulated.

**TDG** Not regulated.

**ICAO** Not regulated.

**IATA** Not regulated.

**IMDG/IMO** Not regulated.

### 15. REGULATORY INFORMATION

#### Chemical Inventories

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

**DSL/NDSL** All components are on the DSL or NDSL.

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

#### U.S. Federal Regulations

##### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

##### **SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

##### **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

##### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.



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

Item # 103  
**Material Safety  
 Data Sheet**

**I Product:** CLOROX COMMERCIAL SOLUTIONS® FORMULA 409® CLEANER DEGREASER DISINFECTANT

**Description:** CLEAR, COLORED LIQUID WITH A CITRUS/FLORAL ODOR

Other Designations	Distributor	Emergency Telephone Nos.
EPA Reg. No. 67619-10	Clorox Professional Products Company 1221 Broadway Oakland, CA 94612	For Medical Emergencies call: (800) 446-1014 For Transportation Emergencies Chemtrec (800) 424-9300

**II Health Hazard Data** **III Hazardous Ingredients**

<p><b>CAUTION:</b> EYE IRRITANT. Avoid eye and prolonged skin contact. Do not ingest.</p> <p><b>FIRST AID:</b></p> <p><b>EYE CONTACT:</b> Immediately flush eyes with plenty of water. If irritation persists, see a doctor.</p> <p><b>SKIN CONTACT:</b> Wash with water. Seek medical attention if irritation develops or persists.</p> <p><b>INGESTION:</b> Drink a glassful of water. Call a physician. Do not induce vomiting. Do not give anything by mouth to an unconscious or convulsing person.</p> <p><b>INHALATION:</b> If breathing problems develop remove to fresh air. Seek medical attention if respiratory irritation develops or breathing becomes difficult.</p> <p><b>KEEP OUT OF REACH OF CHILDREN</b></p>	<table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 40%;">Ingredients</th> <th style="width: 20%;">Concentration</th> <th style="width: 40%;">Worker Exposure Limit</th> </tr> </thead> <tbody> <tr> <td>n-Alkyl (C12-16) Dimethylbenzyl Ammonium Chloride CAS #68424-85-1</td> <td>0.3-0.6%</td> <td>None Established</td> </tr> <tr> <td>n-Propoxypropanol CAS # 1569-01-3</td> <td>0.5 - 2%</td> <td>None Established</td> </tr> <tr> <td>Monoethanolamine CAS #141-43-5</td> <td>0.5 – 1.5%</td> <td>3 ppm - TLV-TWA<sup>a</sup> 3 ppm - PEL<sup>b</sup> 6 ppm - TLV-STEL<sup>c</sup></td> </tr> </tbody> </table> <p><sup>a</sup>TLV-TWA = ACGIH Threshold Limit Value - Time Weighted Average  <sup>b</sup>PEL = OSHA Permissible Exposure Limit - Time Weighted Average  <sup>c</sup>TLV-STEL = ACGIH Threshold Limit Value - Short Term Exposure Limit</p> <p>None of the materials in this product are on the IARC, OSHA, or NTP carcinogen lists.</p>	Ingredients	Concentration	Worker Exposure Limit	n-Alkyl (C12-16) Dimethylbenzyl Ammonium Chloride CAS #68424-85-1	0.3-0.6%	None Established	n-Propoxypropanol CAS # 1569-01-3	0.5 - 2%	None Established	Monoethanolamine CAS #141-43-5	0.5 – 1.5%	3 ppm - TLV-TWA <sup>a</sup> 3 ppm - PEL <sup>b</sup> 6 ppm - TLV-STEL <sup>c</sup>
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**IV Special Protection and Precautions** **V Transportation and Regulatory Data**

<p><b>Hygienic Practices:</b> Wash hands after direct contact. Do not wear product-contaminated clothing for prolonged periods.</p> <p><b>Engineering Controls:</b> Use general ventilation to minimize exposure to product vapor or mist.</p> <p><b>Personal Protective Equipment:</b> Wear safety glasses. Wear gloves for repeated or prolonged skin contact.</p>	<p><b>DOT/IATA/IMDG:</b> Not restricted.</p> <p><b>EPA - SARA Title III/CERCLA:</b>          This product is not reportable under Sections 311/312 or 313; and contains no chemicals which are regulated under Section 304/CERCLA.</p> <p><b>TSCA Status:</b> All components of this product are on the TSCA Inventory.</p>
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**VI Spill Procedures/Waste Disposal** **VII Reactivity Data**

<p><b>Spill Procedures:</b> Absorb and containerize. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material.</p> <p><b>Waste Disposal:</b> Dispose of in accordance with all applicable federal, state, and local regulations.</p>	<p>Stable under normal use and storage conditions.</p>
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**VIII Fire and Explosion Data** **IX Physical Data**

<p><b>Flash Point:</b> &gt;200 F</p> <p><b>Fire Extinguishing Agents:</b> Foam, Dry Chemical, Water, CO<sub>2</sub></p>	<p>pH..... 10.5          Solubility in Water..... complete          Specific Gravity (H<sub>2</sub>O=1)..... ~1.0</p>
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**1. IDENTIFICATION**

<b>Product Name</b>	Comet® Deodorizing Cleanser with the Power of Bleach
<b>Product Code(s)</b>	3-10
<b>Product ID:</b>	97086927_PROF_NG
<b>Product Type:</b>	Finished Product - Professional Use Only
<b>Recommended Use</b>	Hard Surface Cleaner
<b>Restrictions on Use</b>	Do not mix with other cleaning products or chemicals as irritating fumes may be formed.
<b>Manufacturer</b>	Procter & Gamble Professional 2 P&G Plaza Cincinnati, Ohio 45202  Procter & Gamble Inc. P.O. Box 355, Station A Toronto, ON M5W 1C5  1-800-332-7787
<b>E-mail Address</b>	pgsds.im@pg.com
<b>Emergency Telephone</b>	Transportation (24 HR) CHEMTREC - 1-800-424-9300 (U.S./ Canada) or 1-703-527-3887 Mexico toll free in country: 800-681-9531

**2. HAZARD IDENTIFICATION**

This product is classified under 29CFR 1910.1200(d) and the Canadian Hazardous Products Regulation as follows:.

Hazard Category

<b>Eye Damage / Irritation</b>	Category 2B
<b>Signal Word</b>	WARNING
<b>Hazard Statements</b>	Causes eye irritation
<b>Hazard pictograms</b>	None
<b>Precautionary Statements - Prevention</b>	Wash hands thoroughly after handling Do not mix with other cleaning products or chemicals as irritating fumes may be formed
<b>Precautionary Statements - Response</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention IF SWALLOWED: Drink 1 or 2 glasses of water

Precautionary Statements - Storage None

Precautionary Statements - Disposal Dispose of contents/container in accordance with local regulation

Hazards not otherwise classified (HNOC) None

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients are listed according to 29CFR 1910.1200 Appendix D and the Canadian Hazardous Products Regulation.

Chemical Name	Synonyms	Trade Secret	CAS-No	Weight-%
Limestone	-	No	1317-65-3	40 - 100
Sodium carbonate	-	No	497-19-8	5 - 10
Symclosene	-	No	87-90-1	1 - 5
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	-	No	68081-81-2	1 - 5

### 4. FIRST AID MEASURES

#### First aid measures for different exposure routes

**Eye contact** Rinse with plenty of water. Get medical attention immediately if irritation persists.

**Skin contact** Rinse with plenty of water. Get medical attention if irritation develops and persists.

**Ingestion** Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately if symptoms occur.

**Inhalation** Move to fresh air. If symptoms persist, call a physician.

**Most important symptoms/effects, acute and delayed** None under normal use conditions.

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

**Notes to Physician** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media** Dry chemical, CO<sub>2</sub>, alcohol-resistant foam or water spray.

**Unsuitable Extinguishing Media** None.

**Special hazard** None known.

**Special protective equipment for fire-fighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Specific hazards arising from the chemical** None.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Use personal protective equipment. Do not get in eyes, on skin, or on clothing.  
**Advice for emergency responders** Use personal protective equipment as required.

**Methods and materials for containment and cleaning up**

**Methods for containment** Prevent dust cloud. Prevent further leakage or spillage if safe to do so.  
**Methods for cleaning up** Sweep up and shovel into suitable containers for disposal. Dispose of in accordance with local regulations.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling** Use personal protective equipment as required. Keep container closed when not in use. Never return spills in original containers for re-use. Keep out of the reach of children.

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

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.  
**Incompatible products** Do not mix with other cleaning products or chemicals as irritating fumes may be formed.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

Chemical Name	CAS-No	AGIH TLV	OSHA PEL	Mexico PEL
Limestone	1317-65-3		TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) TWA: 15 mg/m <sup>3</sup> total dust (vacated) TWA: 5 mg/m <sup>3</sup> respirable fraction	Mexico: TWA 10 mg/m <sup>3</sup> Mexico: STEL 20 mg/m <sup>3</sup>

Chemical Name	CAS-No	Alberta	Quebec	Ontario TWAEV	British Columbia
Limestone	1317-65-3	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>		TWA: 10 mg/m <sup>3</sup> TWA: 3 mg/m <sup>3</sup> STEL: 20 mg/m <sup>3</sup>

No relevant exposure guidelines for other ingredients

**Exposure controls**

**Engineering Measures** **Distribution, Workplace and Household Settings:**  
 Ensure adequate ventilation

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
 Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction

**Personal Protective Equipment**



**Stability** Stable under normal conditions.

**Hazardous polymerization** Hazardous polymerization does not occur.

**Hazardous Reactions** None under normal processing.

**Conditions to Avoid** None under normal processing.

**Materials to avoid** Do not mix with other cleaning products or chemicals as irritating fumes may be formed.

**Hazardous Decomposition Products** None under normal use.

## 11. TOXICOLOGICAL INFORMATION

### Product Information

Information on likely routes of exposure

**Inhalation** No known effect.  
**Skin contact** No known effect.  
**Ingestion** No known effect.  
**Eye contact** Irritating to eyes.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Acute toxicity** No known effect.  
**Skin corrosion/irritation** No known effect.  
**Serious eye damage/eye irritation** Irritating to eyes.  
**Skin sensitization** No known effect.  
**Respiratory sensitization** No known effect.  
**Germ cell mutagenicity** No known effect.  
**Neurological Effects** No known effect.  
**Reproductive toxicity** No known effect.  
**Developmental toxicity** No known effect.  
**Teratogenicity** No known effect.  
**STOT - single exposure** No known effect.  
**STOT - repeated exposure** No known effect.  
**Target Organ Effects** No known effect.  
**Aspiration hazard** No known effect.  
**Carcinogenicity** No known effect.

### Component Information

Chemical Name	CAS-No	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium carbonate	497-19-8	2800 mg/kg bw	> 2000 mg/kg bw (US EPA 16 CFR 1500.40)	-

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

The product is not expected to be hazardous to the environment.

**Persistence and degradability** No information available.  
**Bioaccumulative potential** No information available.  
**Mobility** No information available.  
**Other adverse effects** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment**

**Waste from Residues / Unused Products** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**California Hazardous Waste Codes (non-household setting)** 331

**14. TRANSPORT INFORMATION**

**DOT** Not regulated

**IMDG** Not regulated

**IATA** Not regulated

**15. REGULATORY INFORMATION**

**U.S. Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	CAS-No	Hazardous Substances RQs	Extremely Hazardous Substances RQs	CERCLA/SARA 302 TPQ
Piperidine	110-89-4	-	1000 lb	1000 lb

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**California Proposition 65**

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

**U.S. State Regulations (RTK)**

Chemical Name	CAS-No	New Jersey
Limestone	1317-65-3	X
Symclosene	87-90-1	X

Chemical Name	CAS-No	Pennsylvania
Limestone	1317-65-3	X
Symclosene	87-90-1	X

### International Inventories

#### **United States**

All intentionally-added components of this product(s) are listed on the US TSCA Inventory.

#### **Canada**

This product is in compliance with CEPA for import by P&G.

#### Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

CEPA - Canadian Environmental Protection Act

## 16. OTHER INFORMATION

#### HMIS Ratings

Health hazard	2
Flammability	0
Physical hazard	0

Health hazard	2
Flammability	0
Instability	0

**Issuing Date:** 12-Jun-2015

**Revision Date:** 09-Nov-2020

#### **Disclaimer**

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

**End of SDS**

# SAFETY DATA SHEET (SDS)

Item # 105

## SECTION 1: IDENTIFICATION OF PRODUCT

Manufacturer:  
**TRANS GULF INDUSTRIES INC.**, PO Box 23809  
 8101 Humphreys St. Harahan, LA 70183 (504) - 738-7895  
 EMERGENCY PHONE NUMBER  
 (800) -- 535-5063 INFOTRAC  
 www.gentryproducts.com

## SECTION 2: HAZARD(S) IDENTIFICATION

Hazard Category: **Signal Word: Danger**  
 Acute Toxicity - Oral: Category 4  
 Skin Corrosion/Irritation: Category 1  
 Serious Eye Damage/Eye Irritation: Category 1

GHS LABEL ELEMENTS:  
 Symbols:

Hazard Statements:  
 Harmful if swallowed.  
 Causes severe skin burns and serious eye damage.

PRECAUTIONARY STATEMENTS: Always handle in accordance with good industrial hygiene and safety practice. Do not breathe mist, vapors or spray. Always wear suggested protective clothing. Wash thoroughly after handling. For treatment see section 4 (FIRST AID MEASURES)

## SECTION 3: COMPOSITION

Chemical Name	%	CAS#
Quaternary Ammonium Compounds	1-5	Proprietary
EDTA	2-5	64-07-08
Alcohol Ethoxylate	2-5	89227-21-0
Citric Acid	1-5	77-92-3
Ethanol	1-5	64-17-5

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

**SECTION 4: FIRST AID MEASURES** Note to Physicians: Probable mucosal damage may contraindicate the use of gastric lavage. If symptoms are experienced, move victim to fresh air. If person is not breathing call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice. Call a poison control center or doctor immediately for treatment. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by poison control or doctor. Do not give anything by mouth to an unconscious person. Flush eyes immediately with large quantities of water for 15-20 minutes, while holding eyelids open. Remove contact lenses, if present, after the first five minutes, get medical attention. Remove contaminated clothing. Wash skin thoroughly with water for 15-20 minutes. Seek medical attention.

## SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT	None.
EXTINGUISHING MEDIA	Product does not support combustion. Use extinguishing agent suitable for type of surrounding fire.
SPECIAL FIRE FIGHTING PROCEDURES	Firefighters should wear full protective clothing including self-contained breathing apparatus. Cool fire exposed containers with water.
UNUSUAL HAZARDS	Dried product is capable of burning. Irritating and toxic gases or fumes may be released during a fire.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

LARGE SPILLS:	Dike far ahead of liquid spill for later disposal.
SMALL SPILLS:	Ventilate closed spaces stop package or spill if safe. Collect spill using non-combustible absorbent material and place in a container for disposal according with local and federal regulations.
OTHER PRECAUTIONS:	Keep out of reach of children. Do not rinse spill onto the ground, into storm sewers or bodies of water.

## SECTION 7: HANDLING AND STORAGE

Always handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. Store in cool, dry place. Keep container closed when not in use. Keep out of reach of children.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION:

Chemical Name	OSHA PEL	ACGIH TLV	MOSH
Quaternary Ammonium Compounds	Not Available	Not Available	Not Available
EDTA	Not Available	Not Available	Not Available
Alcohol Ethoxylate	Not Available	Not Available	Not Available
Citric Acid	Not Available	Not Available	Not Available
Ethanol	1000ppm (TWA)	Not Available	1000ppm (TWA)

Provide good general ventilation  
 If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered. Eye wash stations and shower facilities should be readily accessible in areas where the product is handled.

## RESPIRATORY PROTECTION

VENTILATION	Yes	Other Protective Measures
PROTECTIVE GLASSES	Yes	Limit contact with skin. Wash hands thoroughly after use.
EYE PROTECTION	Yes	

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Yellow Liquid
ODOR	None
pH	7
RELATIVE DENSITY	Unknown
SOLUBILITY	Completely
BOILING POINT	275 F / 100°C
FLASH POINT	N/A
VAPOR PRESSURE	N/A
EVAPORATION RATE	N/A
VAPOR DENSITY	N/A
POUNDS PER GALLON	8.00

## SECTION 10: STABILITY AND REACTIVITY

STABILITY	Stable
CONDITIONS TO AVOID POLYMERIZATION	Will not occur.
INCOMPATIBLE MATERIALS	Extreme temperatures and direct sunlight
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS	CO, CO <sub>2</sub> and other toxic fumes and vapors

## SECTION 11: TOXICOLOGICAL INFORMATION

BARBITURATE	No
MIP	No
ERGONOMICS	No
OSHA REGULATED	No

## HEALTH HAZARDS

**ACUTE/CHRONIC:**  
 Exposure routes likely include eyes, skin, ingestion, and inhalation. Severity of injury depends largely on concentration and duration of exposure. May cause pain, redness swelling of the conjunctiva and tissue damage. Skin contact may cause pain, redness, blistering and possible chemical burn. Inhalation may cause nasal discomfort and coughing. Irritation or damage to the mucus membranes of the respiratory tract. If ingested damage or chemical burns to mouth, throat and stomach. Pain, Nausea, vomiting, and diarrhea may occur upon ingestion.

## Acute Toxicity Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Quaternary Ammonium Compounds	Not Available	Not Available	Not Available
EDTA	Not Available	Not Available	Not Available
Alcohol Ethoxylate	Not Available	Not Available	Not Available
Citric Acid	>1000mg/kg	>2000mg/kg	Not Available
Ethanol	7060 mg/kg	Not Available	174.7 mg/l

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

# SAFETY DATA SHEET (SDS)

## SECTION 12 ECOLOGICAL INFORMATION:

ETA

Ecotoxicity: Ecotoxicity in water (LC50): 760 mg/l 96 hours (Bull gill sunfish), 59.8 mg/l 96 hours (Fathead Minnow).

BD05 and COD: Not available.

Products of biodegradation: Possibly hazardous short term degradation products are not likely. Toxicity of the Products: However, long term degradation products

may arise. The product itself and its products of degradation are not toxic.

Ethanol

fish: 2.0-16.0- 96h monocerthynchus mykiss mL/l LC50 static 100.96h pimpephales promelas mg/l LC50 static 13400-15100- 96h

Pimpephales promelas mg/l LC50 flow-through.

Crustaceae: 9269-4421- 48h Dephinia magna mg/l LC50 1081- 24h Dephinia magna mg/l Ec50 2:48h Dephinia magna mg/l

Ec50 Static.

## SECTION 13 DISPOSAL CONSIDERATIONS:

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

## SECTION 14 TRANSPORT INFORMATION:

UN1953, Disinfectants Liquid Corrosive,  
(Quaternary Ammonium Compound),B,P03III

## SECTION 15 REGULATORY INFORMATION:

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

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

SARA 313

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

SARA 311/312 Hazard Categories

Acute Health Hazard: Yes

Chronic Health Hazard: No

Fire Hazard: No

Sudden release of pressure hazard: No

Reactive Hazard: No

California Proposition 65

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

**EPA PESTICIDE REGISTRATION NUMBER : 10324-114-64919 Est. No. 64919-LA-01**

EPA Statement:

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling

requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required

for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.

EPA Pesticide Label:

Danger. Keep out of reach of children. Corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin or on clothing. Maybe fatal if absorbed through the skin. Harmful if swallowed. Wear goggles or face shield, rubber gloves, and protective clothing. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

## SECTION 16 OTHER INFORMATION:

Manufacturer:

TRANS GULF INDUSTRIES INC., PO Box 23809

6101 Humphreys St. Harahan, LA 70183 (504) - 733-7865

www.gentryproducts.com

Date: **October 1, 2018**

EPA 10324-114-64919 Est. No. 64919-LA-01

HMIS: Health:3;Flammability:0;Instability:0

NFPA: Health:3;Flammability:0;Instability/Reactivity:0; Special:0

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

Item # 106

SAFETY DATA SHEET



**GOJO® NATURAL\* ORANGE™ Pumice Hand Cleaner**

Version	Revision Date:	MSDS Number:	Date of last issue: -
1.0	03/02/2015	68057-00001	Date of first issue: 03/02/2015

**SECTION 1. IDENTIFICATION**

Product name : GOJO® NATURAL\* ORANGE™ Pumice Hand Cleaner

**Manufacturer or supplier's details**

Company name of supplier : GOJO Industries, Inc.

Address : One GOJO Plaza, Suite 500  
Akron OH 44311

Telephone : 1 (330) 255-6000

Emergency telephone : 1-800-424-9300 CHEMTREC

**Recommended use of the chemical and restrictions on use**

Recommended use : Skin-care

Restrictions on use : This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseeable use. Cosmetics and consumer products, specifically defined by regulations around the world, are exempt from the requirement of an SDS for the consumer. While this material is not considered hazardous, this SDS contains valuable information critical to the safe handling and proper use of the product for industrial workplace conditions as well as unusual and unintended exposures such as large spills. This SDS should be retained and available for employees and other users of this product. For specific intended-use guidance, please refer to the information provided on the package or instruction sheet.

**SECTION 2. HAZARDS IDENTIFICATION**

**GHS Classification**

Eye irritation : Category 2A

**GHS Label element**

Hazard pictograms :

Signal Word : Warning

Hazard Statements : H319 Causes serious eye irritation.

Precautionary Statements : **Prevention:**

## SAFETY DATA SHEET


**GOJO® NATURAL \* ORANGE™ Pumice Hand Cleaner**

Version 1.0	Revision Date: 03/02/2015	MSDS Number: 68057-00001	Date of last issue: - Date of first issue: 03/02/2015
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P264 Wash skin thoroughly after handling.  
 P280 Wear eye protection/ face protection.  
**Response:**  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337 + P313 If eye irritation persists: Get medical advice/ attention.

**Other hazards**

None known.

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

Substance / Mixture : Mixture

**Hazardous ingredients**

Chemical Name	CAS-No.	Concentration (%)
1-Methyl 4-(1-Methylethenyl) Cyclohexene	5989-27-5	>= 5 - < 10
Alcohols, C12-15, ethoxylated propoxylated	68551-13-3	>= 1 - < 5

**SECTION 4. FIRST AID MEASURES**

- General advice** : In the case of accident or if you feel unwell, seek medical advice immediately.  
 When symptoms persist or in all cases of doubt seek medical advice.
- If inhaled** : If inhaled, remove to fresh air.  
 Get medical attention if symptoms occur.
- In case of skin contact** : Wash with water and soap as a precaution.  
 Get medical attention if symptoms occur.
- In case of eye contact** : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.  
 If easy to do, remove contact lens, if worn.  
 Get medical attention.
- If swallowed** : If swallowed, DO NOT induce vomiting.  
 Get medical attention if symptoms occur.  
 Rinse mouth thoroughly with water.
- Most important symptoms and effects, both acute and delayed** : Causes serious eye irritation.
- Protection of first-aiders** : First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists.



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Notes to physician : Treat symptomatically and supportively.

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### SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Water spray  
Alcohol-resistant foam  
Dry chemical  
Carbon dioxide (CO<sub>2</sub>)
- Unsuitable extinguishing media : None known.
- Specific hazards during fire fighting : Exposure to combustion products may be a hazard to health.
- Hazardous combustion products : Carbon oxides
- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Use water spray to cool unopened containers.  
Remove undamaged containers from fire area if it is safe to do so.  
Evacuate area.
- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.  
Use personal protective equipment.
- 

### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Follow safe handling advice and personal protective equipment recommendations.
- Environmental precautions : Discharge into the environment must be avoided.  
Prevent further leakage or spillage if safe to do so.  
Prevent spreading over a wide area (e.g. by containment or oil barriers).  
Retain and dispose of contaminated wash water.  
Local authorities should be advised if significant spillages cannot be contained.
- Methods and materials for containment and cleaning up : Soak up with inert absorbent material.  
For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container.  
Clean up remaining materials from spill with suitable absorbent.  
Local or national regulations may apply to releases and disposal of this material, as well as those materials and items
-

# SAFETY DATA SHEET



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employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

### SECTION 7. HANDLING AND STORAGE

- Technical measures : See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
- Local/Total ventilation : Use only with adequate ventilation.
- Advice on safe handling : Avoid inhalation of vapor or mist.  
Do not swallow.  
Do not get in eyes.  
Avoid prolonged or repeated contact with skin.  
Handle in accordance with good industrial hygiene and safety practice.  
Take care to prevent spills, waste and minimize release to the environment.
- Conditions for safe storage : Keep in properly labeled containers.  
Store in accordance with the particular national regulations.
- Materials to avoid : Do not store with the following product types:  
Strong oxidizing agents

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

#### Hazardous components without workplace control parameters

Ingredients	CAS-No.
1-Methyl 4-(1-Methylethenyl) Cyclohexene	5989-27-5
Alcohols, C12-15, ethoxylated propoxylated	68551-13-3

- Engineering measures : Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations. Dust formation may be relevant in the processing of this product. In addition to substance-specific OELs, general limitations of concentrations of particulates in the air at workplaces have to be considered in workplace risk assessment. Relevant limits include: OSHA PEL for Particulates Not Otherwise Regulated of 15 mg/m<sup>3</sup> - total dust, 5 mg/m<sup>3</sup> - respirable fraction; and ACGIH TWA for Particles (insoluble or poorly soluble) Not Otherwise Specified of 3 mg/m<sup>3</sup> - respirable particles, 10 mg/m<sup>3</sup> - inhalable particles.

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**Personal protective equipment**

- Respiratory protection : General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.
- Hand protection  
Material : Impervious gloves
- Remarks : Choose gloves to protect hands against chemicals depending on the concentration specific to place of work. Breakthrough time is not determined for the product. Change gloves often! For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.
- Eye protection : Wear the following personal protective equipment:  
Safety goggles
- Skin and body protection : Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential.  
Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).
- Hygiene measures : Ensure that eye flushing systems and safety showers are located close to the working place.  
When using do not eat, drink or smoke.  
Wash contaminated clothing before re-use.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

- Appearance : liquid
- Color : gray, opaque
- Odor : citrus
- Odor Threshold : No data available

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pH	: 5.0 - 8.0
Melting point/freezing point	: No data available
Initial boiling point and boiling range	: 95 °C
Flash point	: > 100 °C
Evaporation rate	: No data available
Flammability (solid, gas)	: Not applicable
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapor pressure	: No data available
Relative vapor density	: No data available
Density	: 1.0390 g/cm3
Solubility(ies) Water solubility	: soluble
Partition coefficient: n-octanol/water	: Not applicable
Autoignition temperature	: No data available
Decomposition temperature	: The substance or mixture is not classified self-reactive.
Viscosity Viscosity, kinematic	: 10,000 - 50,000 mm2/s (20 °C)
Explosive properties	: Not explosive
Oxidizing properties	: The substance or mixture is not classified as oxidizing.

---

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity	: Not classified as a reactivity hazard.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Can react with strong oxidizing agents.
Conditions to avoid	: None known.

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Incompatible materials	: Oxidizing agents
Hazardous decomposition products	: No hazardous decomposition products are known.

**SECTION 11. TOXICOLOGICAL INFORMATION**
**Information on likely routes of exposure**

Inhalation  
Skin contact  
Ingestion  
Eye contact

**Acute toxicity**

Not classified based on available information.

**Ingredients:**
**1-Methyl 4-(1-Methylethenyl) Cyclohexene:**

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute oral toxicity  
Remarks: Based on data from similar materials

**Alcohols, C12-15, ethoxylated propoxylated:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg  
Remarks: Based on data from similar materials

Acute inhalation toxicity : LC50 (Rat): > 1.6 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Assessment: The substance or mixture has no acute inhalation toxicity  
Remarks: Based on data from similar materials

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity  
Remarks: Based on data from similar materials

**Skin corrosion/irritation**

Not classified based on available information.

**Product:**

Result: No skin irritation

**Ingredients:**
**1-Methyl 4-(1-Methylethenyl) Cyclohexene:**

Species: Rabbit  
Result: Skin irritation

**Alcohols, C12-15, ethoxylated propoxylated:**

Species: Rabbit  
Method: OECD Test Guideline 404

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Result: No skin irritation  
Remarks: Based on data from similar materials

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Ingredients:**

**1-Methyl 4-(1-Methylethenyl) Cyclohexene:**

Species: Rabbit  
Result: No eye irritation

**Alcohols, C12-15, ethoxylated propoxylated:**

Result: Irreversible effects on the eye  
Remarks: Based on data from similar materials

**Respiratory or skin sensitization**

Skin sensitization: Not classified based on available information.  
Respiratory sensitization: Not classified based on available information.

**Product:**

Assessment: Does not cause skin sensitization.

**Ingredients:**

**1-Methyl 4-(1-Methylethenyl) Cyclohexene:**

Test Type: Local lymph node assay (LLNA)  
Routes of exposure: Skin contact  
Species: Mouse  
Result: positive

Assessment: Probability or evidence of skin sensitization in humans

**Alcohols, C12-15, ethoxylated propoxylated:**

Test Type: Maximization Test (GPMT)  
Routes of exposure: Skin contact  
Species: Guinea pig  
Method: OECD Test Guideline 406  
Result: negative  
Remarks: Based on data from similar materials

**Germ cell mutagenicity**

Not classified based on available information.

**Ingredients:**

**1-Methyl 4-(1-Methylethenyl) Cyclohexene:**

Genotoxicity in vitro : Test Type: In vitro mammalian cell gene mutation test  
Result: negative

Genotoxicity in vivo : Test Type: Transgenic rodent somatic cell gene mutation assay  
Species: Rat  
Application Route: Ingestion

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Result: negative

**Alcohols, C12-15, ethoxylated propoxylated:**

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)  
Result: negative  
Remarks: Based on data from similar materials

Genotoxicity in vivo : Test Type: Mutagenicity (in vivo mammalian bone-marrow  
cytogenetic test, chromosomal analysis)  
Species: Rat  
Application Route: Ingestion  
Result: negative  
Remarks: Based on data from similar materials

**Carcinogenicity**

Not classified based on available information.

**Ingredients:**

**1-Methyl 4-(1-Methylethenyl) Cyclohexene:**

Species: Mouse  
Application Route: Ingestion  
Exposure time: 103 weeks  
Result: negative

**IARC**

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

**OSHA**

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

**NTP**

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

**Reproductive toxicity**

Not classified based on available information.

**Ingredients:**

**Alcohols, C12-15, ethoxylated propoxylated:**

Effects on fertility : Test Type: Two-generation reproduction toxicity study  
Species: Rat  
Application Route: Skin contact  
Result: negative  
Remarks: Based on data from similar materials

Effects on fetal development : Test Type: Two-generation reproduction toxicity study  
Species: Rat  
Application Route: Skin contact  
Result: negative  
Remarks: Based on data from similar materials

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### STOT-single exposure

Not classified based on available information.

### STOT-repeated exposure

Not classified based on available information.

### Repeated dose toxicity

#### Ingredients:

##### **1-Methyl 4-(1-Methylethenyl) Cyclohexene:**

Species: Rat  
NOAEL: 600 mg/kg  
Application Route: Ingestion  
Exposure time: 13 w

##### **Alcohols, C12-15, ethoxylated propoxylated:**

Species: Rat  
NOAEL: 500 mg/kg  
Application Route: Ingestion  
Exposure time: 90 d  
Remarks: Based on data from similar materials

### Aspiration toxicity

Not classified based on available information.

#### Ingredients:

##### **1-Methyl 4-(1-Methylethenyl) Cyclohexene:**

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

---

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Ingredients:

##### **1-Methyl 4-(1-Methylethenyl) Cyclohexene:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 0.72 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.36 mg/l  
Exposure time: 48 h

Toxicity to algae : ErC50 (Desmodesmus subspicatus (green algae)): 150 mg/l  
Exposure time: 72 h  
Test substance: Water Accommodated Fraction  
Remarks: Based on data from similar materials

M-Factor (Acute aquatic toxicity) : 1

##### **Alcohols, C12-15, ethoxylated propoxylated:**

Toxicity to fish : LC50 (Scophthalmus maximus (turbot)): 3.1 mg/l

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- Exposure time: 96 h  
Remarks: Based on data from similar materials
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.14 mg/l  
Exposure time: 48 h  
Remarks: Based on data from similar materials
- Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (green algae)): 0.75 mg/l  
Exposure time: 72 h  
Remarks: Based on data from similar materials
- M-Factor (Acute aquatic toxicity) : 1
- Toxicity to bacteria : EC50 (Pseudomonas putida): > 10,000 mg/l  
Exposure time: 16.9 h  
Remarks: Based on data from similar materials

**Persistence and degradability**

**Ingredients:**

**1-Methyl 4-(1-Methylethenyl) Cyclohexene:**

- Biodegradability : Result: Readily biodegradable.  
Biodegradation: 80 %  
Exposure time: 28 d  
Remarks: Based on data from similar materials

**Alcohols, C12-15, ethoxylated propoxylated:**

- Biodegradability : Result: Readily biodegradable.  
Biodegradation: 80 - 88 %  
Exposure time: 28 d  
Remarks: Based on data from similar materials

**Bioaccumulative potential**

**Ingredients:**

**1-Methyl 4-(1-Methylethenyl) Cyclohexene:**

- Partition coefficient: n-octanol/water : log Pow: 4.38

**Mobility in soil**

No data available

**Other adverse effects**

No data available

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**SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal methods**

- Waste from residues : Dispose of in accordance with local regulations.


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Contaminated packaging : Dispose of as unused product.  
Empty containers should be taken to an approved waste handling site for recycling or disposal.

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**SECTION 14. TRANSPORT INFORMATION**
**International Regulation**
**UNRTDG**

UN number : UN 3082  
 Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
 N.O.S.  
 (1-Methyl 4-(1-Methylethenyl) Cyclohexene)  
 Class : 9  
 Packing group : III  
 Labels : 9

**IATA-DGR**

UN/ID No. : UN 3082  
 Proper shipping name : Environmentally hazardous substance, liquid, n.o.s.  
 (1-Methyl 4-(1-Methylethenyl) Cyclohexene)  
 Class : 9  
 Packing group : III  
 Labels : Miscellaneous  
 Packing instruction (cargo aircraft) : 964  
 Packing instruction (passenger aircraft) : 964

**IMDG-Code**

UN number : UN 3082  
 Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
 N.O.S.  
 (1-Methyl 4-(1-Methylethenyl) Cyclohexene)  
 Class : 9  
 Packing group : III  
 Labels : 9  
 EmS Code : F-A, S-F  
 Marine pollutant : yes

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**Domestic regulation**
**49 CFR**

UN/ID/NA number : UN 3082  
 Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
 N.O.S.  
 (1-Methyl 4-(1-Methylethenyl) Cyclohexene)  
 Class : 9


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Packing group	: III
Labels	: CLASS 9
ERG Code	: 171
Marine pollutant	: yes (1-Methyl 4-(1-Methylethenyl) Cyclohexene)
Remarks	: Shipment by ground under DOT is non-regulated; however it may be shipped per the applicable hazard classification to facilitate multi-modal transport involving ICAO (IATA) or IMO.

**SECTION 15. REGULATORY INFORMATION**
**EPCRA - Emergency Planning and Community Right-to-Know**
**CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Acute Health Hazard

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**US State Regulations**
**Pennsylvania Right To Know**

Water	7732-18-5	70 - 90 %
Pumice	1332-09-8	5 - 10 %
1-Methyl 4-(1-Methylethenyl) Cyclohexene	5989-27-5	5 - 10 %

**New Jersey Right To Know**

Water	7732-18-5	70 - 90 %
Pumice	1332-09-8	5 - 10 %
1-Methyl 4-(1-Methylethenyl) Cyclohexene	5989-27-5	5 - 10 %
Alcohols, C12-15, ethoxylated propoxylated	68551-13-3	1 - 5 %

**California Prop 65**

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

**The ingredients of this product are reported in the following inventories:**

REACH : All ingredients (pre-)registered or exempt.

TSCA : All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory

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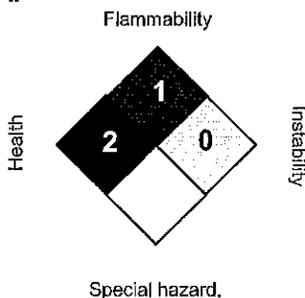
exemption.

DSL : All chemical substances in this product comply with the CEPA 1999 and NSNR and are on or exempt from listing on the Canadian Domestic Substances List (DSL).

AICS : All ingredients listed or exempt.

**Inventories**

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

**SECTION 16. OTHER INFORMATION**
**Further information**
**NFPA:**

**HMIS III:**

<b>HEALTH</b>	<b>2</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

Sources of key data used to compile the Material Safety Data Sheet : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

Revision Date : 03/02/2015

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

US / Z8

Item # 107



# Arm & Hammer™ Carpet Deodorizer - All Versions and Fragrances

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations  
 Revision Date: 04/21/2015 Date of Issue: 04/21/2015 Supersedes Date: 11/11/2013

Version: 1.0

## SECTION 1: IDENTIFICATION

### Product Identifier

**Product Form:** Mixture

**Product Name:** Arm & Hammer™ Carpet Deodorizer - All Versions and Fragrances

### Intended Use of the Product

Deodorizer, Allergen Reducer.

### Name, Address, and Telephone of the Responsible Party

#### Company

Church & Dwight  
 500 Charles Ewing Blvd  
 Ewing Township, NJ 08628  
 T 1-800-524-1328  
[www.churchdwight.com](http://www.churchdwight.com)

### Emergency Telephone Number

**Emergency Number** : For Medical Emergency: 1-888-234-1828, For Chemical Emergency: 1-800-424-9300 (CHEMTREC)

## SECTION 2: HAZARDS IDENTIFICATION

This product is labeled in accordance with regulations administered by the Consumer Product Safety Commission (CPSC). The use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. The requirements of the Occupational Safety and Health Administration applicable to this SDS differ from the labeling requirements of the CPSC and, as a result, this SDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.

### Classification of the Substance or Mixture

**Classification (GHS-US)** .

Not classified

### Label Elements

**GHS-US Labeling** No labeling applicable

### Other Hazards

Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions. Prolonged contact with dust can produce mechanical irritation. May aggravate an existing allergic or asthmatic condition.

**Unknown Acute Toxicity (GHS-US)** Not available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### Mixture

Name	Product Identifier	% (w/w)	Classification (GHS-US)
Sodium bicarbonate	(CAS No) 144-55-8	60 - 100	Not classified
Calcium silicate	(CAS No) 1344-95-2	0.1 - 1	Not classified
Quaternary ammonium compounds, ethylbis (hydroxyethyl) tallow alkyl, ethoxylated, ethyl sulfates (salts)	(CAS No) 68071-95-4	0.1 - 1	Skin Irrit. 2, H315 Eye Irrit. 2A, H319

The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret [29 CFR 1910.1200]. A range of concentration as prescribed by the Controlled Products Regulations has been used where necessary, due to varying composition.

Full text of H-phrases: see section 16

## SECTION 4: FIRST AID MEASURES

### Description of First Aid Measures

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.

**Inhalation:** When symptoms occur: go into open air and ventilate suspected area.

# Arm & Hammer™ Carpet Deodorizer - All Versions and Fragrances

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According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

**Skin Contact:** Brush off loose particles from skin. Rinse immediately with plenty of water. Obtain medical attention if irritation develops or persists.

**Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Obtain medical attention if irritation persists.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Seek medical attention if a large amount is swallowed.

### **Most Important Symptoms and Effects Both Acute and Delayed**

**General:** None expected under normal conditions of use.

**Inhalation:** Prolonged inhalation of dust may cause respiratory irritation.

**Skin Contact:** Skin contact with large amounts of dust may cause mechanical irritation.

**Eye Contact:** Contact may cause irritation due to mechanical abrasion.

**Ingestion:** Ingestion of small amounts is not likely to be harmful. If a large quantity has been ingested: May cause gastrointestinal irritation.

**Chronic Symptoms:** None expected under normal conditions of use.

### **Indication of Any Immediate Medical Attention and Special Treatment Needed**

If exposed or concerned, get medical advice and attention.

## **SECTION 5: FIRE-FIGHTING MEASURES**

### **Extinguishing Media**

**Suitable Extinguishing Media:** Use extinguishing media appropriate for surrounding fire.

**Unsuitable Extinguishing Media:** For surrounding fire. Use of heavy stream of water may spread fire.

### **Special Hazards Arising From the Substance or Mixture**

**Fire Hazard:** Not flammable.

**Explosion Hazard:** Product is not explosive.

**Reactivity:** Hazardous reactions will not occur under normal conditions.

### **Advice for Firefighters**

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.

**Firefighting Instructions:** Exercise caution when fighting any chemical fire.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products:** Yields Carbon oxides (CO, CO<sub>2</sub>) at temperatures over 200 °F (93.3 °C), and Sodium oxides if exposed to temperatures above 1500 °F (815.6 °C).

### **Reference to Other Sections**

Refer to section 9 for flammability properties.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

**General Measures:** Do not breathe dust or fumes. Avoid skin and eye contact.

#### **For Non-Emergency Personnel**

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

#### **For Emergency Personnel**

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

### **Environmental Precautions**

Prevent entry to sewers and public waters. Avoid release to the environment.

### **Methods and Material for Containment and Cleaning Up**

**For Containment:** Contain and collect as any solid.

**Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely. Avoid generation of dust during clean-up of spills. Keep in suitable, closed containers for disposal. Contact competent authorities after a spill.

### **Reference to Other Sections**

See heading 8, Exposure Controls and Personal Protection. For further information refer to section 13.

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## SECTION 7: HANDLING AND STORAGE

### Precautions for Safe Handling

**Additional Hazards When Processed:** When heated, material emits irritating fumes.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

### Conditions for Safe Storage, Including Any Incompatibilities

**Technical Measures:** Ensure all national/local regulations are observed.

**Storage Conditions:** Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Store away from incompatible materials.

**Incompatible Materials:** Strong acids. Strong bases. Strong oxidizers. Water. Lime.

### Specific End Use(s)

Deodorizer, Allergen Reducer.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government

Calcium silicate (1344-95-2)		
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (synthetic nonfibrous-particulate matter containing no asbestos and <1% crystalline silica)
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen synthetic nonfibrous
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable fraction)
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable dust)
Alberta	OEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (synthetic, nonfibrous)
British Columbia	OEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (total particulate matter containing no Asbestos and <1% Crystalline silica-total particulate) 3 mg/m <sup>3</sup> (particulate matter containing no Asbestos and <1% Crystalline silica-respirable particulate)
Manitoba	OEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (synthetic nonfibrous, particulate matter containing no Asbestos and <1% Crystalline silica)
New Brunswick	OEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (particulate matter containing no Asbestos and <1% Crystalline silica)
Newfoundland & Labrador	OEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (synthetic nonfibrous, particulate matter containing no asbestos and <1% crystalline silica)
Nova Scotia	OEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (synthetic nonfibrous, particulate matter containing no Asbestos and <1% Crystalline silica)
Nunavut	OEL TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (respirable mass) 10 mg/m <sup>3</sup> (total mass)
Northwest Territories	OEL TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (respirable mass) 10 mg/m <sup>3</sup> (total mass)
Ontario	OEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (synthetic nonfibrous, containing no Asbestos and <1% Crystalline silica)
Prince Edward Island	OEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (synthetic nonfibrous; particulate matter containing no Asbestos and <1% Crystalline silica)
Québec	VEMP (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (synthetic, containing no Asbestos and <1% Crystalline silica-total dust)
Saskatchewan	OEL STEL (mg/m <sup>3</sup> )	20 mg/m <sup>3</sup> (nonfibrous)
Saskatchewan	OEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (nonfibrous)
Yukon	OEL TWA (mg/m <sup>3</sup> )	30 mppcf

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10 mg/m<sup>3</sup>

### Exposure Controls

**Appropriate Engineering Controls:** For occupational/workplace settings: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

**Personal Protective Equipment:** For occupational/workplace settings and bulk quantities: Gloves. Safety glasses. Dust formation: dust mask.



**Materials for Protective Clothing:** For occupational/workplace settings: Chemically resistant materials and fabrics.

**Hand Protection:** For occupational/workplace settings: Chemically resistant gloves are recommended, but not required.

**Eye Protection:** For occupational/workplace settings: Chemical goggles or safety glasses.

**Skin and Body Protection:** For occupational/workplace settings: In case of dust production: dustproof clothing.

**Respiratory Protection:** if exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

**Other Information:** When using, do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

Physical State	: Solid
Appearance	: White, granular powder
Odor	: As per label
Odor Threshold	: Not available
pH	: 8.2 (1% SOLN. w/v)
Evaporation Rate	: Not available
Melting Point	: Not applicable
Freezing Point	: Not available
Boiling Point	: Not applicable
Flash Point	: Not applicable
Auto-ignition Temperature	: Not available
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not available
Lower Flammable Limit	: Not available
Upper Flammable Limit	: Not available
Vapor Pressure	: Not available
Relative Vapor Density at 20 °C	: Not available
Relative Density	: Not available
Specific gravity / density	: 1.0 g/cc
Specific Gravity	: 1.0
Solubility	: 8.5 g/ml @ 20 °C (68 °F) in water
Partition Coefficient: N-Octanol/Water	: Not available
Viscosity	: Not available
Explosion Data – Sensitivity to Mechanical Impact	: Not expected to present an explosion hazard due to mechanical impact
Explosion Data – Sensitivity to Static Discharge	: Not expected to present an explosion hazard due to static discharge

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## SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** Hazardous reactions will not occur under normal conditions.

**Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**Conditions to Avoid:** Exposure to moisture or moist air. Temperatures above 200 °F (93.3 °C).

**Incompatible Materials:** Strong acids. Strong bases. Strong oxidizers. Water. Lime.

**Hazardous Decomposition Products:** Yields Carbon oxides (CO, CO<sub>2</sub>) at temperatures over 200 °F (93.3 °C), and Sodium oxides if exposed to temperatures above 1500 °F (815.6 °C).

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on Toxicological Effects - Product

**Acute Toxicity:** Not classified

**LD50 and LC50 Data:**

Arm & Hammer™ Carpet Deodorizer - All Versions and Fragrances	
LD50 Oral Rat	7.3 g/kg
LC50 Inhalation Rat	> 4.7 mg/l/4h

**Skin Corrosion/Irritation:** Not classified

**pH:** 8.2

**Serious Eye Damage/Irritation:** Not classified

**pH:** 8.2

**Respiratory or Skin Sensitization:** Not classified

**Germ Cell Mutagenicity:** Not classified

**Teratogenicity:** Not classified

**Carcinogenicity:** Not classified

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (Single Exposure):** Not classified

**Aspiration Hazard:** Not classified

**Symptoms/Injuries After Inhalation:** Prolonged inhalation of dust may cause respiratory irritation

**Symptoms/Injuries After Skin Contact:** Skin contact with large amounts of dust may cause mechanical irritation

**Symptoms/Injuries After Eye Contact:** Contact may cause irritation due to mechanical abrasion

**Symptoms/Injuries After Ingestion:** Ingestion of small amounts is not likely to be harmful. If a large quantity has been ingested: May cause gastrointestinal irritation

**Chronic Symptoms:** None expected under normal conditions of use

### Information on Toxicological Effects - Ingredient(s)

**LD50 and LC50 Data:**

Sodium bicarbonate (144-55-8)	
LD50 Oral Rat	4220 mg/kg
Calcium silicate (1344-95-2)	
LD50 Oral Rat	3400 mg/kg

## SECTION 12: ECOLOGICAL INFORMATION

**Toxicity** Not classified

Arm & Hammer™ Carpet Deodorizer - All Versions and Fragrances	
LC50 Fish 1	7100 mg/l Bluegill
EC50 Daphnia 1	4100 mg/l
LC 50 Fish 2	7700 mg/l Rainbow Trout
Sodium bicarbonate (144-55-8)	
LC50 Fish 1	8250 - 9000 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 Daphnia 1	2350 mg/l (Exposure time: 48 h - Species: Daphnia magna)

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## Persistence and Degradability

Arm & Hammer™ Carpet Deodorizer - All Versions and Fragrances

Persistence and Degradability	Not established.
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## Bioaccumulative Potential

Arm & Hammer™ Carpet Deodorizer - All Versions and Fragrances

Bioaccumulative Potential	Not established.
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**Mobility in Soil** Not available

## Other Adverse Effects

**Other Information:** Avoid release to the environment.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste Disposal Recommendations:** Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

## **SECTION 14: TRANSPORT INFORMATION**

**In Accordance with DOT** Not regulated for transport

**In Accordance with IMDG** Not regulated for transport

**In Accordance with IATA** Not regulated for transport

**In Accordance with TDG** Not regulated for transport

## **SECTION 15: REGULATORY INFORMATION**

### US Federal and international regulations

#### **Sodium Bicarbonate (144-55-8)**

##### **Regional Legislation**

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on the Canadian DSL (Domestic Substances List)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### **Calcium Silicate (1344-95-2)**

##### **Regional Legislation**

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on the Canadian DSL (Domestic Substances List)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### **Quaternary Ammonium Compounds, Ethylbis(Hydroxyethyl)Tallow Alkyl, Ethoxylated, Ethyl Sulfates (Salts) (68071-95-4)**

##### **Regional Legislation**

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on the Canadian DSL (Domestic Substances List)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

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### US State Regulations

#### Calcium silicate (1344-95-2)

U.S. - Massachusetts - Right To Know List  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List

### Canadian Regulations

#### Arm & Hammer™ Carpet Deodorizer - All Versions and Fragrances

WHMIS Classification | Uncontrolled product according to WHMIS classification criteria

#### Sodium bicarbonate (144-55-8)

Listed on the Canadian DSL (Domestic Substances List)

WHMIS Classification | Uncontrolled product according to WHMIS classification criteria

#### Calcium silicate (1344-95-2)

Listed on the Canadian DSL (Domestic Substances List)

WHMIS Classification | Uncontrolled product according to WHMIS classification criteria

#### Quaternary ammonium compounds, ethylbis(hydroxyethyl)tallow alkyl, ethoxylated, ethyl sulfates (salts) (68071-95-4)

Listed on the Canadian DSL (Domestic Substances List)

WHMIS Classification | Class D Division 2 Subdivision B - Toxic material causing other toxic effects

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

## SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date : 04/21/2015

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. This product is labeled in accordance with regulations administered by the Consumer Product Safety Commission (CPSC). The use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. The requirements of the Occupational Safety and Health Administration applicable to this SDS differ from the labeling requirements of the CPSC and, as a result, this SDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.

### GHS Full Text Phrases:

Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Skin Irrit. 2	Skin corrosion/irritation Category 2
H315	Causes skin irritation
H319	Causes serious eye irritation

### Party Responsible for the Preparation of This Document

Church & Dwight  
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Ewing Township, NJ 08628  
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North America GHS US 2012 & WHMIS 2

# SAFETY DATA SHEET

Item # 108

Hi-Tech Cream Cleanser

## Section 1. Identification

**GHS product identifier** : Hi-Tech Cream Cleanser  
**Other means of identification** : Not available.  
**Product type** : Liquid.

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

Not applicable.

**Supplier's details** : Economical Janitorial & Paper Supplies, LLC  
1420-F Sams Avenue  
Harahan, LA 70123  
504-464-7166  
www.economicaljanitorial.com

**Emergency telephone number (with hours of operation)** : 800-735-6745 24 hour

## Section 2. Hazards identification

**OSHA/HCS status** : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).  
**Classification of the substance or mixture** : ACUTE TOXICITY (inhalation) - Category 4  
SKIN CORROSION - Category 1  
SERIOUS EYE DAMAGE - Category 1  
CARCINOGENICITY - Category 1  
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (respiratory system) - Category 2

### GHS label elements

**Hazard pictograms** :



**Signal word** :

Danger

**Hazard statements** :

Harmful if inhaled.  
Causes severe skin burns and eye damage.  
May cause cancer.  
May cause damage to organs through prolonged or repeated exposure. (respiratory system)

### Precautionary statements

**Prevention** :

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves: > 8 hours (breakthrough time): butyl rubber. Wear eye or face protection: Recommended: safety glasses. Wear protective clothing. Use only outdoors or in a well-ventilated area. Do not breathe vapor. Wash hands thoroughly after handling.

**Response** :

Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or physician. IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON

## Section 2. Hazards identification

- POISON CENTER or physician.
- Storage** : Store locked up.
- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Hazards not otherwise classified** : None known.

## Section 3. Composition/information on ingredients

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

### CAS number/other identifiers

- CAS number** : Not applicable.
- Product code** : 077 EC

Ingredient name	%	CAS number
crystalline silica, respirable powder	≥30 - <50	14808-60-7
Alcohols, C9-11, ethoxylated	≥3 - <5	68439-46-3
Benzenesulfonic acid, C10-16-alkyl derivs.	≥1 - <3	68584-22-5

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

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

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

## Section 4. First aid measures

### Description of necessary first aid measures

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

## Section 4. First aid measures

### Potential acute health effects

- Eye contact** : Causes serious eye damage.
- Inhalation** : Harmful if inhaled.
- Skin contact** : Causes severe burns.
- Ingestion** : No known significant effects or critical hazards.

### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:  
pain  
watering  
redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:  
pain or irritation  
redness  
blistering may occur
- Ingestion** : Adverse symptoms may include the following:  
stomach pains

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

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. 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. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

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

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
metal oxide/oxides

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

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

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

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

### Methods and materials for containment and cleaning up

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

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from alkalis. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Separate from alkalis. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
crystalline silica, respirable powder	<p><b>OSHA PEL Z3 (United States, 2/2013).</b>  <b>Notes: 250/(%SiO<sub>2</sub>+5)</b>            TWA: 250 MPPCF / (%SiO<sub>2</sub>+5) 8 hours.            Form: Respirable</p> <p><b>OSHA PEL Z3 (United States, 2/2013).</b>  <b>Notes: 10/(SiO<sub>2</sub>+2)</b>            TWA: 10 MG/M<sup>3</sup> / (%SiO<sub>2</sub>+2) 8 hours. Form:            Respirable</p> <p><b>OSHA PEL 1989 (United States, 3/1989).</b>            TWA: 0.1 mg/m<sup>3</sup>, (as quartz) 8 hours. Form:            Respirable dust</p> <p><b>ACGIH TLV (United States, 4/2014).</b>            TWA: 0.025 mg/m<sup>3</sup> 8 hours. Form:            Respirable fraction</p> <p><b>NIOSH REL (United States, 10/2013).</b>            TWA: 0.05 mg/m<sup>3</sup> 10 hours. Form: respirable            dust</p>

**Appropriate engineering controls** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

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

### Individual protection measures

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

**Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead. Recommended: safety glasses

### Skin protection

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. > 8 hours (breakthrough time): butyl rubber

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

## Section 8. Exposure controls/personal protection

**Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

**Personal protective equipment (Pictograms)** :



## Section 9. Physical and chemical properties

### Appearance

**Physical state** : Liquid.  
**Color** : Opaque. Off-white. [Dark]  
**Odor** : Minty.  
**Odor threshold** : Not available.  
**pH** : 1.5 to 2.5  
**Melting point** : Not available.  
**Boiling point** : Not available.  
**Flash point** : Closed cup: Not applicable. [Product does not sustain combustion.]  
**Evaporation rate** : Not available.  
**Flammability (solid, gas)** : Not available.  
**Lower and upper explosive (flammable) limits** : Not available.  
**Vapor pressure** : Not available.  
**Vapor density** : Not available.  
**Relative density** : 1.24562  
**Solubility** : Very slightly soluble in the following materials: cold water and hot water.  
**Partition coefficient: n-octanol/water** : Not available.  
**Auto-ignition temperature** : Not available.  
**Decomposition temperature** : Not available.  
**Viscosity** : Not available.

## Section 10. Stability and reactivity

**Reactivity** : No specific test data related to reactivity available for this product or its ingredients.

**Chemical stability** : The product is stable.

**Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.

**Conditions to avoid** : No specific data.

**Incompatible materials** : Attacks many metals producing extremely flammable hydrogen gas which can form explosive mixtures with air.  
Reactive or incompatible with the following materials:  
alkalis

**Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Alcohols, C9-11, ethoxylated	LD50 Dermal	Rabbit	2 g/kg	-
	LD50 Oral	Rat	1378 mg/kg	-
Benzenesulfonic acid, C10-16-alkyl derivs.	LD50 Dermal	Rabbit	2000 mg/kg	-
	LD50 Oral	Rat	775 mg/kg	-

#### Irritation/Corrosion

Not available.

#### Sensitization

Not available.

#### Mutagenicity

Not available.

#### Carcinogenicity

Not available.

#### Classification

Product/ingredient name	OSHA	IARC	NTP
crystalline silica, respirable powder	-	1	Known to be a human carcinogen.

#### Reproductive toxicity

Not available.

#### Teratogenicity

Not available.

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

Not available.

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

Name	Category	Route of exposure	Target organs
crystalline silica, respirable powder	Category 2	Inhalation	respiratory system

#### Aspiration hazard

Not available.

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

#### Potential acute health effects

- Eye contact** : Causes serious eye damage.
- Inhalation** : Harmful if inhaled.
- Skin contact** : Causes severe burns.
- Ingestion** : No known significant effects or critical hazards.

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

- Eye contact** : Adverse symptoms may include the following:  
pain  
watering

## Section 11. Toxicological information

- Skin contact** : Adverse symptoms may include the following:  
pain or irritation  
redness  
blistering may occur
- Ingestion** : Adverse symptoms may include the following:  
stomach pains

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

#### Short term exposure

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

#### Long term exposure

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

#### Potential chronic health effects

Not available.

- General** : May cause damage to organs through prolonged or repeated exposure.
- Carcinogenicity** : May cause cancer. Risk of cancer depends on duration and level of exposure.
- Mutagenicity** : No known significant effects or critical hazards.
- Teratogenicity** : No known significant effects or critical hazards.
- Developmental effects** : No known significant effects or critical hazards.
- Fertility effects** : No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Route	ATE value
Oral	41174.9 mg/kg
Dermal	106257.8 mg/kg
Inhalation (dusts and mists)	3.865 mg/l

## Section 12. Ecological information

### Toxicity

Product/ingredient name	Result	Species	Exposure
Alcohols, C9-11, ethoxylated	Acute EC50 5.36 mg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
	Acute EC50 2686 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 8500 µg/l Fresh water	Fish - Pimephales promelas	96 hours
Benzenesulfonic acid, C10-16-alkyl derivs.	Acute EC50 5.65 mg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours

### Persistence and degradability

Not available.

### Bioaccumulative potential

Not available.

## Section 12. Ecological information

### Mobility in soil

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

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

## Section 13. Disposal considerations

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

## Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	ADR/RID	IMDG	IATA
UN number	3265	3265	3265	3265	3265	3265
UN proper shipping name	Corrosive Liquid, Acidic, Organic, N.O.S. (Dodecylbenzene Sulfonic Acid)	Corrosive Liquid, Acidic, Organic, N.O.S. (Dodecylbenzene Sulfonic Acid)	Corrosive Liquid, Acidic, Organic, N.O.S. (Dodecylbenzene Sulfonic Acid)	Corrosive Liquid, Acidic, Organic, N.O.S. (Dodecylbenzene Sulfonic Acid)	Corrosive Liquid, Acidic, Organic, N.O.S. (Dodecylbenzene Sulfonic Acid)	Corrosive Liquid, Acidic, Organic, N.O.S. (Dodecylbenzene Sulfonic Acid)
Transport hazard class(es)	8 	8 	8 	8 	8 	8 
Packing group	III	III	III	III	III	III
Environmental hazards	No.	No.	No.	No.	No.	No.
Additional information	<u>Limited quantity</u> Yes.	Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.40-2.42 (Class 8).  <u>Explosive Limit and Limited Quantity Index</u>	-	-	-	-

## Section 14. Transport information

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

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

## Section 15. Regulatory information

**U.S. Federal regulations** : **TSCA 8(a) CDR Exempt/Partial exemption:** Not determined  
All components are listed or exempted.  
**Clean Water Act (CWA) 311:** sulphuric acid

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

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

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

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

### SARA 302/304

#### Composition/information on ingredients

Name	%	EHS	SARA 302 TPQ		SARA 304 RQ	
			(lbs)	(gallons)	(lbs)	(gallons)
sulphuric acid	<0.1	Yes.	1000	66.3	1000	66.3

**SARA 304 RQ** : 5158814.1 lbs / 2342101.6 kg [496714.7 gal / 1880269.7 L]

### SARA 311/312

**Classification** : Immediate (acute) health hazard  
Delayed (chronic) health hazard

#### Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
crystalline silica, respirable powder	≥30 - <50	No.	No.	No.	Yes.	Yes.
Alcohols, C9-11, ethoxylated	≥3 - <5	No.	No.	No.	Yes.	No.
Benzenesulfonic acid, C10-16-alkyl derivs.	≥1 - <3	No.	No.	No.	Yes.	No.

### State regulations

**Massachusetts** : The following components are listed: SILICA, CRYSTALLINE, QUARTZ  
**New York** : None of the components are listed.  
**New Jersey** : The following components are listed: SILICA, QUARTZ; QUARTZ (SiO<sub>2</sub>)  
**Pennsylvania** : The following components are listed: QUARTZ (SiO<sub>2</sub>)  
**California Prop. 65**

## Section 15. Regulatory information

Ingredient name	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
crystalline silica, respirable powder	Yes.	No.	No.	No.
titanium dioxide	Yes.	No.	No.	No.
sulphuric acid	Yes.	No.	No.	No.

### International regulations

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

Not listed.

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

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

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

Not listed.

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

Not listed.

### International lists

#### National inventory

Australia	: All components are listed or exempted.
Canada	: All components are listed or exempted.
China	: All components are listed or exempted.
Europe	: Not determined.
Japan	: <b>Japan inventory (ENCS)</b> : Not determined. <b>Japan inventory (ISHL)</b> : Not determined.
Malaysia	: Not determined.
New Zealand	: All components are listed or exempted.
Philippines	: All components are listed or exempted.
Republic of Korea	: All components are listed or exempted.
Taiwan	: All components are listed or exempted.

## Section 16. Other information

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

Health	*	1
Flammability		0
Physical hazards		0

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

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

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

## Section 16. Other information



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

### Procedure used to derive the classification

Classification	Justification
Acute Tox. 4, H332	Calculation method
Skin Corr. 1, H314	On basis of test data
Eye Dam. 1, H318	On basis of test data
Carc. 1, H350	Calculation method
STOT RE 2, H373 (respiratory system)	Calculation method

### History

**Date of printing** : 10/14/2016  
**Date of issue/Date of revision** : 10/14/2016  
**Date of previous issue** : 4/25/2015  
**Version** : 1.01

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

**References** : Not available.

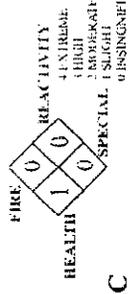
▣ Indicates information that has changed from previously issued version.

### Notice to reader

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

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

# MATERIAL SAFETY DATA SHEET



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

EMERGENCY PHONE NUMBER (800) - 535-5053 INFOTRAC  
 Date: FEBRUARY 27, 2013

**SECTION I - TRADE NAME :** Squeaky Clean DISHWASH  
**IDENTIFICATION CHEMICAL FAMILY :** CLEANING COMPOUND  
**PRODUCT NUMBER :** 5898  
**SHIPPING DESCRIPTION:** CLEANING COMPOUND, NOS

**SECTION VI - HEALTH HAZARDS DATA:**

THRESHOLD LIMIT VALUE = NOT ESTABLISHED  
 CARCINOGENICITY = NO  
 NTP = NO  
 IARC MONOGRAPHS = NO  
 OSHA REGULATED = NO

HEALTH HAZARDS ACUTE/CHRONIC = EYES: MAY CAUSE REDNESS AND IRRITATION TO EYES, NAUSEA, VOMITING AND DIARRHEA MAY OCCUR UPON INGESTION.

EMERGENCY FIRST AID PROCEDURES =  
 INHALATION = MOVE TO FRESH AIR. CONSULT PHYSICIAN IF SYMPTOMS PERSIST.  
 INGESTION = GIVE LARGE QUANTITIES OF WATER THEN SEVERAL GLASSES OF MILK.

INDUCE VOMITING. GET MEDICAL ATTENTION IMMEDIATELY.  
 EYE CONTACT = FLUSH EYES IMMEDIATELY WITH LARGE QUANTITIES OF WATER FOR 15 MINUTES. LIFTING EYELIDS OCCASIONALLY.  
 GET MEDICAL ATTENTION.  
 SKIN CONTACT = REMOVE CONTAMINATED CLOTHING RINSE SKIN THOROUGHLY WITH SOAP AND WATER..

**SECTION II - HAZARDOUS INGREDIENTS**  
 HAZARDOUS COMPONENTS OSHA PEL ACGIH TLV CAS #  
 NONE

**SECTION 313 - SUPPLIER NOTIFICATION:**

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372:  
 \*\*\*CAS #\*\*\*  
 CHEMICAL NAME  
 % By Wt.

**NONE**

THIS INFORMATION MUST BE INCLUDED IN ALL MSDS THAT ARE COPIED AND DISTRIBUTED FOR THIS MATERIAL.

**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS:**

BOILING POINT = >212 DEGREES F  
 SPECIFIC GRAVITY (H28=1) = 1.02  
 SOLUBILITY IN WATER = COMPLETE  
 APPEARANCE = YELLOW LIQUID  
 ODOR = ACCORDING TO TYPE  
 VAPOR PRESSURE (mmHg) = N/A  
 VAPOR DENSITY (Air=1) = N/A  
 EVAPORATION RATE (Butyl Act=1) = N/A  
 POUNDS PER GALLON = 8.564

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA:**

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

**SECTION V - REACTIVITY DATA:**

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

**SECTION VII - PRECAUTIONS FOR SAFE HANDLING:**

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

**SECTION VIII - CONTROL MEASURES:**

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

**MANUFACTURER:**

TRANS GULF INDUSTRIES, INC.  
 6101 HUMPHREYS STREET  
 PO BOX 23809  
 HARAHAN, LA 70183

**EMERGENCY PHONE #**

DAY M-F (504) - 733-7865  
 NIGHT (800) - 535-5053

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

#109

Item # 110

# SAFETY DATA SHEET

Issuing Date No data available

Revision Date 26-May-2020

Revision Number 1

NGHS / English



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## 1. IDENTIFICATION

### Product identifier

Product Name Dish Detergent Professional

### Other means of identification

Product Code(s) 1586727

### Recommended use of the chemical and restrictions on use

Recommended Use Liquid dishwashing soap

Restrictions on use No information available

### Details of the supplier of the safety data sheet

Supplier Identification JoySuds, LLC

Address Four Greenwich Office Park  
Greenwich, CT 06831

Telephone 1-800-231-6478

E-mail info@joysuds.com

### Emergency telephone number

Company Emergency Phone Number 1-800-231-6478

## 2. HAZARDS IDENTIFICATION

### Classification

Skin corrosion/irritation

Category 2



Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1
Specific target organ toxicity (single exposure)	Category 2

Appearance Yellow

Physical state Liquid

Odor Pleasant

**GHS Label elements, including precautionary statements****Danger****Hazard statements**

Causes skin irritation

Causes serious eye damage

May cause an allergic skin reaction

May cause damage to organs

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling

Contaminated work clothing must not be allowed out of the workplace

Do not breathe dust/fume/gas/mist/vapors/spray

Do not eat, drink or smoke when using this product

Wear protective gloves/eye protection/face protection

**Precautionary Statements - Response**

Specific treatment (see supplemental first aid instructions on this label)

IF exposed or concerned: Call a POISON CENTER or doctor

**Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Immediately call a POISON CENTER or doctor

**Skin**

IF ON SKIN: Wash with plenty of water and soap

Take off contaminated clothing and wash it before reuse

If skin irritation or rash occurs: Get medical advice/attention

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other information**

May be harmful if swallowed. Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

**Unknown acute toxicity**

20.35 % of the mixture consists of ingredient(s) of unknown toxicity

0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

20.35 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

20.35 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)  
 20.35 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)  
 17.85 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Substance

Not applicable.

#### Mixture

Chemical name	CAS No.	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Sulfuric acid, mono-C10-16-alkyl esters, sodium salts	68585-47-7	10 - 35	-	-
Lauramine oxide	1643-20-5	3 - 15	-	-
Sodium laureth sulfate	9004-82-4	3 - 10	-	-
Ethanol	64-17-5	1 - 5	-	-

### 4. FIRST AID MEASURES

#### Description of first aid measures

<b>General advice</b>	Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.
<b>Inhalation</b>	Remove to fresh air. Get medical attention immediately if symptoms occur. IF exposed or concerned: Get medical advice/attention.
<b>Eye contact</b>	Get immediate medical advice/attention. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water for at least 15 minutes. May cause an allergic skin reaction. If symptoms persist, call a physician.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.
<b>Self-protection of the first aider</b>	Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

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

**Symptoms** Burning sensation. Itching. Rashes. Hives.

#### Indication of any immediate medical attention and special treatment needed

**Note to physicians** May cause sensitization in susceptible persons. Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES



<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Large Fire</b>	CAUTION: Use of water spray when fighting fire may be inefficient.
<b>Unsuitable extinguishing media</b>	Do not scatter spilled material with high pressure water streams.
<b>Specific hazards arising from the chemical</b>	Product is or contains a sensitizer. May cause sensitization by skin contact.
<b>Hazardous Combustion Products</b>	Carbon oxides.
<b>Explosion Data</b>	
<b>Sensitivity to Mechanical Impact</b>	None.
<b>Sensitivity to Static Discharge</b>	None.
<b>Special protective equipment for fire-fighters</b>	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Ensure adequate ventilation. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
<b>Other Information</b>	Refer to protective measures listed in Sections 7 and 8.

### Methods and material for containment and cleaning up

<b>Methods for containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

<b>Advice on safe handling</b>	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Take off contaminated clothing and wash before reuse.
--------------------------------	--

### Conditions for safe storage, including any incompatibilities

<b>Storage Conditions</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.
---------------------------	--

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Limits

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH	
Ethanol 64-17-5	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	IDLH: 3300 ppm 10% LEL TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>	
Chemical name	Alberta	British Columbia	Ontario: TWAEV	Quebec
Ethanol 64-17-5	TWA: 1000 ppm TWA: 1880 mg/m <sup>3</sup>	STEL: 1000 ppm	STEL: 1000 ppm	STEL: 1000 ppm

#### Other Exposure Guidelines

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992). See section 15 for national exposure control parameters.

### Appropriate engineering controls

#### Engineering controls

Showers  
Eyewash stations  
Ventilation systems.

### Individual protection measures, such as personal protective equipment

#### Eye/face protection

Tight sealing safety goggles.

#### Hand protection

Wear suitable gloves. Impervious gloves.

#### Skin and body protection

Wear suitable protective clothing. Long sleeved clothing.

#### Respiratory protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

#### General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Yellow
Odor	Pleasant
Color	No information available
Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks</u>	<u>Method</u>
pH	7.1 – 9.9		
Melting / freezing point	No data available	None known	
Boiling point / boiling range	No data available	None known	
Flash Point	No data available	None known	
Evaporation Rate	No data available	None known	
Flammability (solid, gas)	No data available	None known	



Flammability Limit in Air		None known
Upper flammability limit	No data available	
Lower flammability limit	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Relative density	1.011	
Water Solubility	Soluble in water	
Solubility(ies)	No data available	None known
Partition coefficient: n-octanol/water	0	
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known

**Other Information**

Explosive properties	No information available
Oxidizing properties	No information available
Softening Point	No information available
Molecular Weight	No information available
VOC Content (%)	No information available
Liquid Density	No information available
Bulk Density	No information available
Particle Size	No information available
Particle Size Distribution	No information available

## 10. STABILITY AND REACTIVITY

Reactivity	No information available.
Chemical stability	Stable under normal conditions.
Possibility of Hazardous Reactions	None under normal processing.
Hazardous Polymerization	Hazardous polymerization does not occur.
Conditions to avoid	None known based on information supplied.
Incompatible materials	Strong acids. Strong bases. Strong oxidizing agents.
Hazardous Decomposition Products	Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure****Product Information**

Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
Eye contact	Specific test data for the substance or mixture is not available. Causes serious eye damage. (based on components). Severely irritating to eyes. May cause burns. May cause irreversible damage to eyes.
Skin contact	Specific test data for the substance or mixture is not available. May cause sensitization by

skin contact. Causes skin irritation. (based on components). Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

**Ingestion**

Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May be harmful if swallowed.

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

Redness. Burning. May cause blindness. Itching. Rashes. Hives. May cause redness and tearing of the eyes.

**Numerical measures of toxicity****Acute Toxicity**

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 3,249.50 mg/kg  
ATEmix (inhalation-dust/mist) 4,097.64 mg/L

**Unknown acute toxicity** 20.35 % of the mixture consists of ingredient(s) of unknown toxicity  
0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity  
20.35 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity  
20.35 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)  
20.35 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)  
17.85 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Sulfuric acid, mono-C10-16-alkyl esters, sodium salts	> 2000 mg/kg ( Rat )	-	-
Sodium laureth sulfate	= 1600 mg/kg ( Rat )	-	-
Ethanol	= 7060 mg/kg ( Rat )	-	= 124.7 mg/L ( Rat ) 4 h

**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Skin corrosion/irritation**

Classification based on data available for ingredients. Irritating to skin.

**Serious eye damage/eye irritation**

Classification based on data available for ingredients. Causes burns. Risk of serious damage to eyes.

**Respiratory or skin sensitization**

May cause sensitization by skin contact.

**Germ cell mutagenicity**

No information available.

**Carcinogenicity**

Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Ethanol 64-17-5	A3	Group 1	Known	X

**Legend**

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)  
 Group 1 - Carcinogenic to Humans  
 NTP (National Toxicology Program)  
 Known - Known Carcinogen  
 OSHA (Occupational Safety and Health Administration of the US Department of Labor)  
 X - Present

**Reproductive toxicity** No information available.

**STOT - single exposure** Based on the classification criteria of the Globally Harmonized System as adopted in the country or region with which this safety data sheet complies, this product has been determined to cause systemic target organ toxicity from acute exposure. (STOT SE). May cause damage to organs.

**STOT - repeated exposure** No information available.

**Aspiration hazard** No information available.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity** Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Chemical name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Lauramine oxide	-	96h LC50: = 134 mg/L (Danio rerio)	-	-
Ethanol	-	96h LC50: > 100 mg/L (Pimephales promelas) 96h LC50: 12.0 - 16.0 mL/L (Oncorhynchus mykiss) 96h LC50: 13400 - 15100 mg/L (Pimephales promelas)	EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min	24h EC50: = 10800 mg/L (Daphnia magna) 48h LC50: 9268 - 14221 mg/L (Daphnia magna) 48h EC50: = 2 mg/L (Daphnia magna)

**Persistence and Degradability** No information available.

**Bioaccumulation**

**Component Information**

Chemical name	Log Pow
Ethanol	-0.32

**Mobility** No information available.

**Other adverse effects** No information available.

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.



California Waste Codes 561

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical name	California Hazardous Waste
Ethanol 64-17-5	Toxic Ignitable

**14. TRANSPORT INFORMATION**

DOT  
 Proper Shipping Name NOT REGULATED  
 Hazard Class NON-REGULATED  
 N/A

TDG Not regulated

MEX Not regulated

ICAO Not regulated

IATA  
 Proper Shipping Name Not regulated  
 Hazard Class NON REGULATED  
 N/A

IMDG/IMO  
 Hazard Class Not regulated  
 N/A

RID Not regulated

ADR Not regulated

ADN Not regulated

**15. REGULATORY INFORMATION**

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

International Inventories

TSCA Contact supplier for inventory compliance status.  
 DSL/NDSL Contact supplier for inventory compliance status.  
 EINECS/ELINCS Contact supplier for inventory compliance status.  
 ENCS Contact supplier for inventory compliance status.  
 KECL Contact supplier for inventory compliance status.  
 PICCS Contact supplier for inventory compliance status.  
 AICS Contact supplier for inventory compliance status.



**Legend**

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS** - Japan Existing and New Chemical Substances
- KECL** - Korean Existing and Evaluated Chemical Substances
- PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- AICS** - Australian Inventory of Chemical Substances

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications. Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 calendar year will need to be consistent with updated hazard classifications.

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**US State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals. Ethyl alcohol is only considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage.

Chemical name	California Proposition 65
Ethanol - 64-17-5	Developmental

**U.S. State Right-to-Know Regulations**

This product may contain substances regulated by state right-to-know regulations.

Chemical name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Ethanol 64-17-5	X	X	X		X

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	Health hazards 3	Flammability 0	Instability 0	Physical and Chemical Properties - Personal Protection X
<b><u>HMIS</u></b>	Health hazards 3	Flammability 0	Physical hazards 0	



**Prepared By** Product Stewardship  
23 British American Blvd.  
Latham, NY 12110  
1-800-572-6501

**Revision Date** 26-May-2020

**Revision Note** No information available

**Disclaimer**

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

**End of Safety Data Sheet**



## SAFETY DATA SHEET



Issuing Date: 16-May-2017

Revision Date: 16-May-2017

Version 1

## 1. IDENTIFICATION

<b>Product Name</b>	Dawn Professional Manual Pot and Pan Detergent® - Concentrate
<b>Product Code(s)</b>	1-00
<b>Product Identifier</b>	91303911_PROF_NG
<b>Product Type:</b>	Finished Product - Professional Use Only
<b>Recommended Use</b>	Cleaning agent.
<b>Details of the supplier of the safety data sheet</b>	Procter & Gamble Professional 2 P&G Plaza Cincinnati, Ohio 45202  Procter & Gamble Inc. P.O. Box 355, Station A Toronto, ON M5W 1C5  1-800-332-7787
<b>E-mail Address</b>	pgsds.lm@pg.com
<b>Emergency Telephone</b>	Transportation (24 HR) CHEMTREC - 1-800-424-9300 (U.S./ Canada) or 1-703-527-3887 Mexico toll free in country: 800-681-9531

## 2. HAZARD IDENTIFICATION

This product is classified under 29CFR 1910.1200(d) and the Canadian Hazardous Products Regulation as follows:.

**Hazard Category**

<b>Eye Damage / Irritation</b>	Category 2B
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<b>Signal Word</b>	WARNING
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<b>Hazard Statements</b>	Causes eye irritation
--------------------------	-----------------------

<b>Hazard pictograms</b>	None
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<b>Precautionary Statements</b>	Wash hands thoroughly after handling
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<b>Precautionary Statements - Response</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention IF SWALLOWED: Drink 1 or 2 glasses of water
--	---

Precautionary Statements - Storage None

Precautionary Statements - Disposal Dispose of contents/container in accordance with local regulation

Hazards not otherwise classified (HNOC) None

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients are listed according to 29CFR 1910.1200 Appendix D and the Canadian Hazardous Products Regulation

Chemical Name	Synonyms	Trade Secret	CAS-No	Weight %
Sulfuric acid, mono-C10-16-alkyl esters, sodium salts	Sulfuric acid, mono-C10-16-alkyl esters, sodium salts	No	68585-47-7	10 - 15
Amine oxides, C10-16-alkyldimethyl	Amine oxides, C10-16-alkyldimethyl	No	70592-80-2	1 - 5
Poly(oxy-1,2-ethanediyl), alpha-sulfo-omega-hydroxy-, C10-16-alkyl ethers, sodium salts	Poly(oxy-1,2-ethanediyl), alpha-sulfo-omega-hydroxy-, C10-16-alkyl ethers, sodium salts	No	68585-34-2	1 - 5
Ethanol	Ethanol	No	64-17-5	1 - 5

### 4. FIRST AID MEASURES

#### First aid measures for different exposure routes

<b>Eye contact</b>	Rinse with plenty of water. Get medical attention immediately if irritation persists.
<b>Skin contact</b>	Rinse with plenty of water. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately if symptoms occur.
<b>Inhalation</b>	Move to fresh air. If symptoms persist, call a physician.
<b>Most important symptoms/effects, acute and delayed</b>	None under normal use conditions.

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

**Notes to Physician** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media</b>	Dry chemical, CO <sub>2</sub> , alcohol-resistant foam or water spray.
<b>Unsuitable Extinguishing Media</b>	None.
<b>Special hazard</b>	None known.
<b>Special protective equipment for fire-fighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
<b>Specific hazards arising from the</b>	None.

chemical

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Use personal protective equipment. Do not get in eyes, on skin, or on clothing.

**Advice for emergency responders** Use personal protective equipment as required.

**Methods and materials for containment and cleaning up**

**Methods for containment** Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

**Methods for cleaning up** Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling** Use personal protective equipment as required. Keep container closed when not in use. Never return spills in original containers for re-use. Keep out of the reach of children.

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

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible products** None known.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

Chemical Name	CAS-No	ACGIH TLV	OSHA PEL	Mexico PEL
Ethanol	64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	Mexico: TWA 1000 ppm Mexico: TWA 1900 mg/m <sup>3</sup>

Chemical Name	CAS-No	Alberta	Quebec	Ontario TWAEV	British Columbia
Ethanol	64-17-5	TWA: 1000 ppm TWA: 1880 mg/m <sup>3</sup>	TWA: 1000 ppm TWA: 1880 mg/m <sup>3</sup>	STEL: 1000 ppm	STEL: 1000 ppm

No relevant exposure guidelines for other ingredients

**Exposure controls**

**Engineering Measures** **Distribution, Workplace and Household Settings:**  
Ensure adequate ventilation

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction



**Stability** Stable under normal conditions.

**Hazardous polymerization** Hazardous polymerization does not occur.

**Hazardous Reactions** None under normal processing.

**Conditions to Avoid** None under normal processing.

**Materials to avoid** None in particular.

**Hazardous Decomposition Products** None under normal use conditions.

## 11. TOXICOLOGICAL INFORMATION

### Product Information

#### Information on likely routes of exposure

**Inhalation** No known effect.

**Skin contact** No known effect.

**Ingestion** No known effect.

**Eye contact** Irritating to eyes.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Acute toxicity** No known effect.

**Skin corrosion/irritation** No known effect.

**Serious eye damage/eye irritation** Irritating to eyes.

**Skin sensitization** No known effect.

**Respiratory sensitization** No known effect.

**Germ cell mutagenicity** No known effect.

**Neurological Effects** No known effect.

**Reproductive toxicity** No known effect.

**Developmental toxicity** No known effect.

**Teratogenicity** No known effect.

**STOT - single exposure** No known effect.

**STOT - repeated exposure** No known effect.

**Target Organ Effects** No known effect.

**Aspiration hazard** No known effect.

**Carcinogenicity** No known effect.

### Component Information

Chemical Name	CAS-No	Oral LD50	Dermal LD50	Inhalation LC50
Amine oxides, C10-16-alkyldimethyl	70592-80-2	LD50: 1064 mg/kg, bw. OECD 401. Species: Rat	LD50: > 2000 mg/kg, 24 hours, bw. OECD 402. Species: Rat	-
Poly(oxy-1,2-ethanedityl), alpha-sulfo-omega-hydroxy-, C10-16-alkyl ethers, sodium salts	68585-34-2	>2001 mg/kg	-	-
Ethanol	64-17-5	10470 mg/kg bw (OECD 401)	-	116.9 mg/L air (//OECD 403)

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

The product is not expected to be hazardous to the environment.

**Persistence and degradability** No information available.

**Bioaccumulative potential** No information available.

**Mobility** No information available.

**Other adverse effects** No information available.

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment**

**Waste from Residues / Unused Products** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**California Hazardous Waste Codes (non-household setting)** 331

**14. TRANSPORT INFORMATION**

**DOT** Not regulated

**IMDG** Not regulated

**IATA** Not regulated

**15. REGULATORY INFORMATION**

**U.S. Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):.

Chemical Name	CAS-No	Hazardous Substances RQs	Extremely Hazardous Substances RQs	CERCLA/SARA 302 TPQ
Sodium hydroxide	1310-73-2	1000 lb	-	

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPS) (see 40 CFR 61)**

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

**Clean Water Act**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):.

Chemical Name	CAS-No	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium hydroxide	1310-73-2	1000 lb	-	-	X

**California Proposition 65**

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

**U.S. State Regulations (RTK)**

Chemical Name	CAS-No	New Jersey
Ethanol	64-17-5	X

Chemical Name	CAS-No	Massachusetts
Ethanol	64-17-5	X

Chemical Name	CAS-No	Pennsylvania
Ethanol	64-17-5	X
Sodium hydroxide	1310-73-2	X

**International Inventories**

**United States**

All intentionally-added components of this product(s) are listed on the US TSCA Inventory.

**Canada**

This product is in compliance with CEPA for import by P&G.

**Legend**

United States Toxic Substances Control Act Section 8(b) Inventory (TSCA)

CEPA - Canadian Environmental Protection Act

**16. OTHER INFORMATION**

**Issuing Date:** 16-May-2017

**Revision Date:** 16-May-2017

**Disclaimer**

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End of SDS

Item # 116

# SAFETY DATA SHEET (SDS)

### SECTION 1: IDENTIFICATION OF PRODUCT

**TRADE NAME:** TRC  
**CHEMICAL FAMILY:** Disinfectant  
**PRODUCT NUMBER:** 5309

**Distributor:**  
**ECONOMICAL JANITORIAL & PAPER SUPPLIES, INC.**  
 1420-S SAMS AVENUE, HARAHAN, LA 70123 (504) 464-7166  
**EMERGENCY PHONE NUMBER (800) -- 535-5053 INFOTRAC**

### SECTION 2: HAZARD(S) IDENTIFICATION

**Hazard Category:** Serious Eye Damage/Eye Irritation: Category 2B

**GHS LABEL ELEMENTS:**  
**Signal Word:** Warning  
**Symbols:** NONE  
**Hazard Statements:**  
 Causes eye irritation

**PRECAUTIONARY STATEMENTS:** Always handle in accordance with good industrial hygiene and safety practice. Do not breathe mist, vapors or spray. Always wear suggested protective clothing. Wash thoroughly after handling. For treatment see section 4 (FIRST AID MEASURES)

### SECTION 3: COMPOSITION

Chemical Name	%	CAS#
Quaternary Ammonium Compounds	1-5	Proprietary
EDTA	2-5	64-07-08
Alcohol Ethoxylate	2-5	6827-21-0
Citric Acid	1-5	77-92-9

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

### SECTION 4: FIRST AID MEASURES

**INHALATION:** If symptoms are experienced, move victim to fresh air. If person is not breathing call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

**INGESTION:** Call a poison control center or doctor immediately for treatment. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by poison control or doctor. Do not give anything by mouth to an unconscious person.

**EYE CONTACT:** Flush eyes immediately with large quantities of water for 15-20 minutes, while holding eyelids open. Remove contact lenses, if present, after the first five minutes. Get medical attention.

**SKIN CONTACT:** Wash with soap and water. If skin irritation occurs seek medical attention.

### SECTION 5: FIRE FIGHTING MEASURES

<b>FLASH POINT</b>	Name:
<b>EXTINGUISHING MEDIA</b>	Product does not support combustion. Use extinguishing agent suitable for type of surrounding fire.
<b>SPECIAL FIRE FIGHTING PROCEDURES</b>	Firefighters should wear full protective clothing including self-contained breathing apparatus. Cool fire exposed containers with spray.
<b>UNUSUAL HAZARDS</b>	Dried product is capable of burning. Irritating and toxic gases or fumes may be released during a fire.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

<b>LARGE SPILLS:</b>	Like for ahead of liquid spill for later disposal.
<b>SMALL SPILLS:</b>	Ventilate closed spaces stop leakage or spill if safe. Collect spill using non-combustible absorbent material and place in a container for disposal according with local and federal regulations.
<b>OTHER PRECAUTIONS:</b>	Keep out of reach of children. Do not rinse spill onto the ground, into storm sewers or bodies of water.

### SECTION 7: HANDLING AND STORAGE

Always handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. Store in cool, dry place. Keep container closed when not in use. Keep out of reach of children.

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

Chemical Name	OSHA PEL	ACGIH TLV	NIOSH
Quaternary Ammonium Compounds	Not Available	Not Available	Not Available
EDTA	Not Available	Not Available	Not Available
Alcohol Ethoxylate	Not Available	Not Available	Not Available
Citric Acid	Not Available	Not Available	Not Available

Provide good general ventilation if work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits. local exhaust ventilation or other engineering controls should be considered. Eye wash stations and shower facilities should be readily accessible in areas where the product is handled.

### RESPIRATORY PROTECTION

VENTILATION	Yes	Other Protective Measures
PROTECTIVE GLOVES	Yes	Limit contact with skin. Wash hands thoroughly after use.
EYE PROTECTION	Yes	

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE:</b>	Liquid Blue
<b>ODOR:</b>	Fresh
<b>pH:</b>	7
<b>RELATIVE DENSITY:</b>	Unknown
<b>SOLUBILITY:</b>	Completely
<b>BOILING POINT:</b>	212° F / 100°C
<b>FLASH POINT:</b>	N/A
<b>VAPOR PRESSURE:</b>	N/A
<b>EVAPORATION RATE:</b>	N/A
<b>VAPOR DENSITY:</b>	N/A
<b>POUNDS PER GALLON:</b>	9.00

### SECTION 10: STABILITY AND REACTIVITY

<b>STABILITY:</b>	Stable
<b>CONDITIONS TO AVOID:</b>	Will not occur
<b>CONDITIONS TO AVOID:</b>	Extreme temperatures and direct sunlight
<b>INCOMPATIBLE MATERIALS:</b>	Strong acids and oxidizers
<b>HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:</b>	CO, CO2, and other toxic fumes and vapors.

### SECTION 11: TOXICOLOGICAL INFORMATION

<b>CARCINOGEN</b>	No
<b>MTP</b>	No
<b>MARC MONOGRAPHS</b>	No
<b>LSHA REGULATED</b>	No

### HEALTH HAZARDS - ACUTE/CHRONIC:

Exposure routes likely include eyes, skin, ingestion, and inhalation. Severity of injury depends largely on concentration and duration of exposure. May cause pain, redness swelling of the conjunctiva. Skin contact may cause drying of the skin. Inhalation may cause nasal discomfort and coughing. Irritation or damage to the mucus membranes of the respiratory tract. Pain, Nausea, vomiting, and diarrhea may occur upon ingestion.

### Acute Toxicity Information

Chemical Name	Dose/LD50	Normal LD50	Inhalation LD50
Quaternary Ammonium Compounds	Not Available	Not Available	Not Available
EDTA	Not Available	Not Available	Not Available
Alcohol Ethoxylate	Not Available	Not Available	Not Available
Citric Acid	>10000mg/kg	>2000mg/kg	Not Available

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

# SAFETY DATA SHEET (SDS)

## SECTION 12 ECOLOGICAL INFORMATION:

Not available

## SECTION 15 REGULATORY INFORMATION:

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

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

SARA 313

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

SARA 311/312 Hazard Categories

Acute Health Hazard: Yes

Chronic Health Hazard: No

Fire Hazard: No

Sudden release of pressure hazard: No

Reactive Hazard: No

California Proposition 65

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

**EPA PESTICIDE REGISTRATION NUMBER: 10324-85-51509 Est. No. 64919-LA-01**

EPA Statement:

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.

EPA Pesticide Label:

**CAUTION.** Causes moderate eye irritation. Harmful if absorbed through the skin. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling.

## SECTION 13 DISPOSAL CONSIDERATIONS:

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

## SECTION 14 TRANSPORT INFORMATION:

Not regulated. Non-Hazardous.

## SECTION 16 OTHER INFORMATION:

Manufacturer:

TRANS GULF INDUSTRIES INC., PO Box 23809  
8101 Humphreys St. Harahan, LA 70183 (504) - 733-7865  
www.gentryproducts.com

Date: **May 1, 2019**

**EPA 10324-85-51509 Est. No. 64919-LA-01**

HMIS: Health:1;Flammability:0;Instability:0

NFPA: Health:1;Flammability:0;Instability/Reactivity:0; Special:0

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

Item # 117



NEW WORLD  
IMPORTS

January 1, 2014

This letter is in reference to your request for a SDS (formally known as MSDS sheet). Based on our review, Freshscent 3oz Deodorant Soap / Item S3 is exempt from the OSHA Hazardous Communication Standard (29 CFR 1910.1200), SDS and/or labeling requirements based on one or more of the exceptions in the standard as outlined below.

1910.1200(b)(6)(ix)

Any consumer product or hazardous substance, as those terms are defined in the Consumer Product Safety Act (15 U.S.C. 2051 *et seq.*) and Federal Hazardous Substances Act (15 U.S.C. 1261 *et seq.*) respectively, where the employer can show that it is used in the workplace for the purpose intended by the chemical manufacturer or importer of the product, and the use results in a duration and frequency of exposure which is not greater than the range of exposures that could reasonably be experienced by consumers when used for the purpose intended;

1910.1200(b)(6)(v)

Articles as that term is defined in paragraph (c) of this section: 1910.1200(c) *Definitions - Article* means a manufactured item other than a fluid or particle: (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than very small quantities, *e.g.*, minute or trace amounts of a hazardous chemical (as determined under paragraph (d) of this section), and does not pose a physical hazard or health risk to employees.

And specific to labeling:

1910.1200(b)(5)(iii)

Any food, food additive, color additive, drug, cosmetic, or medical or veterinary device or product, including materials intended for use as ingredients in such products (*e.g.* flavors and fragrances), as such terms are defined in the Federal Food, Drug, and Cosmetic Act (21 U.S.C. 301 *et seq.*) or the Virus-Serum-Toxin Act of 1913 (21 U.S.C. 151 *et seq.*), and regulations issued under those Acts, when they are subject to the labeling requirements under those Acts by either the Food and Drug Administration or the Department of Agriculture;

1910.1200(b)(5)(v)

Hazardous Substances Act (15 U.S.C. 1261 *et seq.*) respectively, when subject to a consumer product safety standard or labeling requirement of those Acts, or regulations issued under those Acts by the Consumer Product Safety Commission;

The information above can be found in the Occupational Safety and Health Standard for Hazard Communication (29 CFR 1910.1200). Please keep this information on file for your records. Our policy has been updated and aligned with the UN Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

**1-800-329-1903**

(615) 329-1906 • Fax (615) 329-3816  
160 Athens Way • Nashville, Tennessee 37228

## SAFETY DATA SHEET



Issuing Date: 13-Feb-2015

Revision Date: 13-Feb-2015

Version 1

### 1. IDENTIFICATION

<b>Product Name</b>	Ivory Original (Bar Soap)
<b>Product ID:</b>	92212197_RET_NG
<b>Product Type:</b>	Finished Product - Consumer (Retail) Use Only
<b>Recommended Use</b>	Personal Beauty Care Product
<b>Synonyms</b>	Ivory Aloe Scent Bar (95615912_RET_NG)
<b>Manufacturer</b>	The Procter & Gamble Company Sharon Woods Innovation Center 11510 Reed Hartman Highway Cincinnati OH 45241 +1 513 626-2500
<b>E-mail Address</b>	pgsds.im@pg.com
<b>Emergency Telephone</b>	Transportation (24 HR) CHEMTREC - 1-800-424-9300 (U.S./ Canada) or 1-703-527-3887 Mexico toll free in country: 800-681-9531

### 2. HAZARD IDENTIFICATION

"Consumer Products", as defined by the US Consumer Product Safety Act and which are used as intended (typical consumer duration and frequency), are exempt from the OSHA Hazard Communication Standard (29 CFR 1910.1200). This SDS is being provided as a courtesy to help assist in the safe handling and proper use of the product.

**This product is classified under 29CFR 1910.1200(d) and the Canadian Hazardous Products Regulation as follows:**

<b>Eye Damage / Irritation</b>	Category 2B
<b>Signal Word</b>	WARNING
<b>Hazard Statements</b>	Causes eye irritation
<b>Hazard pictograms</b>	None
<b>Precautionary Statements - Prevention</b>	Wash hands thoroughly after handling
<b>Precautionary Statements - Response</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention
<b>Precautionary Statements - Storage</b>	None

Precautionary Statements - Disposal None

Hazards not otherwise classified (HNOC) None

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients are listed according to 29CFR 1910.1200 Appendix D and the Canadian Hazardous Products Regulation

None

### 4. FIRST AID MEASURES

#### First aid measures for different exposure routes

<b>Eye contact</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>Skin contact</b>	None under normal use.
<b>Ingestion</b>	Not an expected route of exposure. If swallowed: Clean mouth with water and afterwards drink plenty of water.
<b>Inhalation</b>	None under normal use.
<b>Most important symptoms/effects, acute and delayed</b>	May cause eye irritation.

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

Notes to Physician Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media</b>	Water. Dry chemical. Alcohol-resistant foam.
<b>Unsuitable Extinguishing Media</b>	None.
<b>Special hazard</b>	None known.
<b>Special protective equipment for fire-fighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
<b>Specific hazards arising from the chemical</b>	None.

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	None under normal use conditions.
<b>Advice for emergency responders</b>	Use personal protective equipment as required.

**Environmental precautions** Do not discharge product into natural waters without pre-treatment or adequate dilution.

#### Methods and materials for containment and cleaning up

**Methods for containment** Prevent product from entering drains. Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Sweep up and shovel into suitable containers for disposal.

### 7. HANDLING AND STORAGE

#### Precautions for safe handling

**Advice on safe handling** Keep container closed when not in use.

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

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible products** None known.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control parameters

**Exposure Guidelines** Exposure guidelines are not relevant when product is used as intended in a household setting.

#### Exposure controls

**Engineering Measures** No information available

#### Personal Protective Equipment

**Eye Protection** **Manufacturing Sites:**  
Safety glasses with side-shields  
**Distribution, Workplace and Household Settings:**  
No special protective equipment required

**Hand Protection** No special protective equipment required

**Skin and Body Protection** No special protective equipment required

**Respiratory Protection** No special protective equipment required

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State @20°C** solid  
**Appearance** white  
**Odor** characteristic  
**Odor threshold** No information available

<u>Property</u>	<u>Values</u>	<u>Note</u>
pH value	10 - 11	
Melting/freezing point	No information available	
Boiling point/boiling range	No information available	
Flash point	No information available	
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	

<b>Flammability Limits in Air</b>	
Upper flammability limit	No information available
Lower Flammability Limit	No information available
Vapor pressure	No information available
Vapor density	No information available
Relative density	No information available
Water solubility	Soluble in water
Solubility in other solvents	No information available
Partition coefficient: n-octanol/water	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Viscosity of Product	No information available
<b>Oxidizing properties</b>	Not applicable.
<b>VOC Content (%)</b>	Products comply with US state and federal regulations for VOC content in consumer products.

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	None under normal use conditions.
<b>Stability</b>	Stable under normal conditions.
<b>Hazardous polymerization</b>	Hazardous polymerization does not occur.
<b>Hazardous Reactions</b>	None under normal processing.
<b>Conditions to Avoid</b>	None under normal processing.
<b>Materials to avoid</b>	None in particular.
<b>Hazardous Decomposition Products</b>	None under normal use.

## 11. TOXICOLOGICAL INFORMATION

### Product Information

#### Information on likely routes of exposure

<b>Inhalation</b>	No known effect.
<b>Skin contact</b>	No known effect.
<b>Ingestion</b>	No known effect.
<b>Eye contact</b>	Avoid contact with eyes. Irritating to eyes.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Acute toxicity</b>	No known effect.
<b>Skin corrosion/irritation</b>	No known effect.
<b>Serious eye damage/eye irritation</b>	Irritating to eyes.
<b>Skin sensitization</b>	No known effect.
<b>Respiratory sensitization</b>	No known effect.
<b>Germ cell mutagenicity</b>	No known effect.
<b>Neurological Effects</b>	No known effect.
<b>Reproductive toxicity</b>	No known effect.
<b>Developmental toxicity</b>	No known effect.
<b>Teratogenicity</b>	No known effect.
<b>STOT - single exposure</b>	No known effect.
<b>STOT - repeated exposure</b>	No known effect.
<b>Target Organ Effects</b>	No known effect.
<b>Aspiration hazard</b>	No known effect.
<b>Carcinogenicity</b>	No known effect.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

The product is not expected to be hazardous to the environment.

**Persistence and degradability** No information available.

**Bioaccumulative potential** No information available.

**Mobility** No information available.

**Other adverse effects** No information available.

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment**

**Waste from Residues / Unused Products** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**California Hazardous Waste Codes (non-household setting)** 561

**14. TRANSPORT INFORMATION**

**DOT** Not regulated

**IMDG** Not regulated

**IATA** Not regulated

**15. REGULATORY INFORMATION**

**U.S. Federal Regulations**

**SARA 313**  
Not applicable for consumer use

**CERCLA**  
Not applicable for consumer use

**Food and Drug Administration (FDA)**  
The product described in this Material Safety Data Sheet is regulated under the Federal Food, Drug, and Cosmetics Act and is safe to use as per directions on container, box or accompanying literature (where applicable)

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**  
Not applicable for consumer use

**Clean Water Act**  
Not applicable for consumer use

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

**U.S. State Regulations (RTK)**

Not applicable for consumer use

**International Inventories**

**United States**

Product is a personal care product and regulated under FDA.

**Canada**

This product is in compliance with CEPA for import by P&G.

**Legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**CEPA** - Canadian Environmental Protection Act

Perfumes contained with the products comply with appropriate IFRA guidance.

**16. OTHER INFORMATION**

<b>Issuing Date:</b>	13-Feb-2015
<b>Revision Date:</b>	13-Feb-2015
<b>Reason for revision</b>	Initial Release.

**Disclaimer**

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

**End of SDS**

ITEM # 119



NEW WORLD  
IMPORTS

January 1, 2014

This letter is in reference to your request for a SDS (formally known as MSDS sheet). Based on our review, Freshscent #3/4 Deodorant Soap / Item S34 is exempt from the OSHA Hazardous Communication Standard (29 CFR 1910.1200), SDS and/or labeling requirements based on one or more of the exceptions in the standard as outlined below.

1910.1200(b)(6)(ix)

Any consumer product or hazardous substance, as those terms are defined in the Consumer Product Safety Act (15 U.S.C. 2051 *et seq.*) and Federal Hazardous Substances Act (15 U.S.C. 1261 *et seq.*) respectively, where the employer can show that it is used in the workplace for the purpose intended by the chemical manufacturer or importer of the product, and the use results in a duration and frequency of exposure which is not greater than the range of exposures that could reasonably be experienced by consumers when used for the purpose intended;

1910.1200(b)(6)(v)

Articles as that term is defined in paragraph (c) of this section: 1910.1200(c) *Definitions - Article* means a manufactured item other than a fluid or particle: (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than very small quantities, *e.g.*, minute or trace amounts of a hazardous chemical (as determined under paragraph (d) of this section), and does not pose a physical hazard or health risk to employees.

And specific to labeling:

1910.1200(b)(5)(iii)

Any food, food additive, color additive, drug, cosmetic, or medical or veterinary device or product, including materials intended for use as ingredients in such products (*e.g.* flavors and fragrances), as such terms are defined in the Federal Food, Drug, and Cosmetic Act (21 U.S.C. 301 *et seq.*) or the Virus-Serum-Toxin Act of 1913 (21 U.S.C. 151 *et seq.*), and regulations issued under those Acts, when they are subject to the labeling requirements under those Acts by either the Food and Drug Administration or the Department of Agriculture;

1910.1200(b)(5)(v)

Hazardous Substances Act (15 U.S.C. 1261 *et seq.*) respectively, when subject to a consumer product safety standard or labeling requirement of those Acts, or regulations issued under those Acts by the Consumer Product Safety Commission;

The information above can be found in the Occupational Safety and Health Standard for Hazard Communication (29 CFR 1910.1200). Please keep this information on file for your records. Our policy has been updated and aligned with the UN Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

**1-800-329-1903**

(615) 329-1906 • Fax (615) 329-3816

160 Athens Way • Nashville, Tennessee 37228

Item# 120



# Safety Data Sheet

## 1 - Identification

<b>Product Name:</b> Lava Bar  <b>Product Use:</b> Hand Cleaner  <b>Restrictions on Use:</b> None identified  <b>SDS Date Of Preparation:</b> 08/21/2014	<b>Manufacturer:</b> WD-40 Company <b>Address:</b> 1061 Cudahy Place (92110) P.O. Box 80607 San Diego, California, USA 92138 -0607  <b>Telephone:</b> <b>Emergency only:</b> 1-888-324-7596 (PROSAR) <b>Information:</b> 1-888-324-7596 <b>Chemical Spills:</b> 1-800-424-9300 (Chemtrec) 1-703-527-3887 (International Calls)
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## 2 - Hazards Identification

**Hazcom 2012/GHS Classification:**  
 Eye Irritant Category 2A

Note: This product is a cosmetic product and is labeled in accordance with the US Food and Drug Administration regulations which take precedence over OSHA Hazard Communication labeling. The actual container label will not include the label elements below. The labeling below applies to industrial/professional products.

### Label Elements:



### WARNING!

Causes serious eye irritation.

### Prevention

Rinse hands thoroughly after use.

### Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice or attention.

## 3 - Composition/Information on Ingredients

Ingredient	CAS #	Weight Percent	US Hazcom 2012/ GHS Classification
Pumice	1332-09-8	10-30%	Not Hazardous
Coconut Acid	Mixture	<3%	Eye Damage Category 1
Titanium Dioxide	13463-67-7	0.1-1%	Carcinogen Category 2*
Non-Hazardous Ingredients	Mixture	Balance	Not Hazardous

Note: The exact percentages are a trade secret.

\* Carcinogen classification applies to respirable forms only. Not applicable to this product.

## 4 - First Aid Measures

**Ingestion (Swallowed):** If large amount is swallowed and symptoms occur, call a physician, poison control center, or the WD-40 Safety Hotline at 1-888-324-7596. Rinse mouth with water and give one eight-ounce glass of water to drink if the patient is conscious and responsive.

**Eye Contact:** Do not rub eyes. Flush immediately with large amounts of water. Get medical attention if irritation persists.  
**Skin Contact:** This product is intended for skin contact. Discontinue use and consult a physician if irritation develops and persists.  
**Inhalation (Breathing):** No first aid should be required.  
**Signs and Symptoms of Exposure:** May cause eye irritation.  
**Indication of Immediate Medical Attention/Special Treatment Needed:** Immediate medical attention is not required.

**5 – Fire Fighting Measures**

**Suitable (and unsuitable) Extinguishing Media:** Use any media that is appropriate for the surrounding fire.  
**Specific Hazards Arising from the Chemical:** None known.  
**Special Protective Equipment and Precautions for Fire-Fighters:** None required.

**6 – Accidental Release Measures**

**Personal Precautions, Protective Equipment and Emergency Procedures:** None required.  
**Methods and Materials for Containment/Cleanup:** Pick up for use or place in trash.

**7 – Handling and Storage**

**Precautions for Safe Handling:** Avoid contact with eyes.  
**Conditions for Safe Storage:** No special storage required.

**8 – Exposure Controls/Personal Protection**

Chemical	Occupational Exposure Limits
Pumice	5 mg/m <sup>3</sup> (respirable), 15 mg/m <sup>3</sup> (total dust) OSHA PEL-TWA
Coconut Acid	None Established
Titanium Dioxide	15 mg/m <sup>3</sup> (total dust) OSHA PEL-TWA 10 mg/m <sup>3</sup> ACGIH TLV-TWA
Non-Hazardous Ingredients	None Established

**The Following Controls are Recommended for Normal Consumer Use of this Product**

**Appropriate Engineering Controls:** None required  
**Personal Protection:**  
**Eye Protection:** None required, avoid eye contact.  
**Skin Protection:** None required, this product is intended for skin contact.  
**Respiratory Protection:** None required.

**For Bulk Processing or Workplace Use the Following Controls are Recommended**

**Appropriate Engineering Controls:** Good general ventilation should be adequate.  
**Personal Protection:**  
**Eye Protection:** Safety goggles recommended if dust or mists are generated.  
**Skin Protection:** None required for anticipated use, this product is intended for skin contact.  
**Respiratory Protection:** None required.  
**Work/Hygiene Practices:** Rinse thoroughly after washing or handling.

**9 – Physical and Chemical Properties**

Appearance:	Green solid	Flammable Limits:	Not applicable
Odor:	Pleasant Fragrance	Vapor Pressure:	Not applicable
Odor Threshold:	Not established	Vapor Density:	Not applicable
pH:	Not Applicable	Relative Density:	>1
Melting/Freezing Point	Not applicable	Solubilities:	Soluble in water
Boiling Point/Range:	Not applicable	Partition Coefficient; n-	Not established

Flash Point:	None	octanol/water: Autoignition Temperature:	Not established
Evaporation Rate:	Not applicable	Decomposition Temperature:	Not established
Flammability (solid, gas)	Not flammable	Viscosity:	Not applicable
VOC:	0%	Pour Point:	Not applicable

### 10 – Stability and Reactivity

**Reactivity:** Not reactive under normal conditions  
**Chemical Stability:** Stable  
**Possibility of Hazardous Reactions:** None known.  
**Conditions to Avoid:** None known.  
**Incompatible Materials:** None known.  
**Hazardous Decomposition Products:** Combustion will produce oxides of carbon and nitrogen.

### 11 – Toxicological Information

**Symptoms of Overexposure:**  
**Inhalation:** None known  
**Skin Contact:** Prolonged contact may cause irritation in sensitive individuals.  
**Eye Contact:** May cause irritation with redness, stinging and tearing. Pumice may cause abrasive injury to the eye.  
**Ingestion:** Not intended for ingestion, however, not expected to be toxic. May cause gastrointestinal irritation.  
**Chronic Effects:** None known.  
**Carcinogen Status:** This product contains small amount of titanium dioxide, which is listed by IARC as a suspected carcinogen (Group 2B). Titanium dioxide only presents a risk of cancer by inhalation of very fine dust. In this product, the titanium dioxide is incorporated into the soap and is not present as a respirable dust. There is no exposure to respirable titanium dioxide dust in the normal use of this product. None of the other components are listed as a carcinogen or suspect carcinogen by IARC, NTP, ACGIH or OSHA.  
**Reproductive Toxicity:** None of the components is considered a reproductive hazard.

**Numerical Measures of Toxicity:**  
The oral toxicity of this product is estimated to be greater than 5,000 mg/kg and the dermal toxicity greater than 2,000 mg/kg based on an assessment of the ingredients. This product is not classified as toxic by established criteria.

### 12 – Ecological Information

**Ecotoxicity:** No specific aquatic toxicity data is currently available, however components of this product are not expected to be harmful to aquatic organisms  
**Persistence and Degradability:** No data available.  
**Bioaccumulative Potential:** No data available.  
**Mobility in Soil:** No data available  
**Other Adverse Effects:** None known

### 13 - Disposal Considerations

Dispose in accordance with local, state and federal regulations.

### 14 – Transportation Information

Not regulated for Transportation by any mode

### 15 – Regulatory Information

**U.S. Federal Regulations:**

**CERCLA 103 Reportable Quantity:** This product is not subject to CERCLA reporting requirement. 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

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

Section 313 Reporting requirements: None

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.

**California Safe Drinking Water and Toxic Enforcement Act (Proposition 65):** This product does not contain chemicals regulated under California Proposition 65.

This MSDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the MSDS contains all of the information required by the CPR.

**16 – Other Information:**

**HMIS Hazard Rating:**

**Health – 1 (slight hazard), Fire Hazard – 0 (minimal hazard), Physical Hazard – 0 (minimal hazard)**

Revision Date: August 21, 2014

Supersedes: January 8, 2009

Revision Summary: Convert to Hazcom 2012. Changes in all sections.

Prepared by: Industrial Health & Safety Consultants, Inc. Shelton, CT, USA

APPROVED By: I. Kowalski

Regulatory Affairs Dept.

3042200/No.0098003

1097000/No.0098003

Item # 121



# SAFETY DATA SHEET

Issuing Date: 15-Jan-2015

Revision Date: 14-May-2018

Version 2

## 1. IDENTIFICATION

**Product Name** Spic and Span® All-Purpose Cleaner - Powder Concentrate

**Product Code(s)** 4-50

**Product Identifier** 15153796\_PROF\_NG

**Product Type:** Finished Product - Professional Use Only

**Recommended Use** Floor Care.

**Restrictions on Use** Use only as directed on label.

**Details of the supplier of the safety data sheet** Procter & Gamble Professional  
1 P&G Plaza  
Cincinnati, Ohio 45202

Procter & Gamble Inc.  
P.O. Box 355, Station A  
Toronto, ON M5W 1C5

1-800-332-7787

**E-mail Address** pgsds.im@pg.com

**Emergency Telephone** Transportation (24 HR)  
CHEMTREC - 1-800-424-9300  
(U.S./ Canada) or 1-703-527-3887  
Mexico toll free in country: 800-681-9531

## 2. HAZARD IDENTIFICATION

This product is classified under 29CFR 1910.1200(d) and the Canadian Hazardous Products Regulation as follows:.

**Hazard Category**

**Eye Damage / Irritation** Category 2B

**Signal Word** WARNING

**Hazard Statements** Causes eye irritation

**Hazard pictograms** None

**Precautionary Statements** Wash hands thoroughly after handling

**Precautionary Statements - Response** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If eye irritation persists: Get medical advice/attention  
IF SWALLOWED:  
Drink 1 or 2 glasses of water

**Precautionary Statements - Storage** None

Precautionary Statements - Disposal None

Hazards not otherwise classified None  
(HNOC)

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients are listed according to 29CFR 1910.1200 Appendix D and the Canadian Hazardous Products Regulation.

Chemical Name	Synonyms	Trade Secret	CAS-No	Weight-%
Sodium carbonate	Carbonic acid sodium salt (1:2)	Yes	497-19-8	10 - 30
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	Yes	68081-81-2	7 - 13
Silicic acid, sodium salt	Silicic acid, sodium salt	Yes	1344-09-8	1 - 5

Additional information Actual concentrations withheld as trade secret in accordance with Canadian HPR

### 4. FIRST AID MEASURES

#### First aid measures for different exposure routes

**Eye contact** Rinse with plenty of water. Get medical attention immediately if irritation persists.

**Skin contact** Rinse with plenty of water. Get medical attention if irritation develops and persists.

**Ingestion** Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately if symptoms occur.

**Inhalation** Move to fresh air. If symptoms persist, call a physician.

**Most important symptoms/effects, acute and delayed** None under normal use conditions.

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

**Notes to Physician** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media** Dry chemical, CO<sub>2</sub>, alcohol-resistant foam or water spray.

**Unsuitable Extinguishing Media** None.

**Special hazard** None known.

**Special protective equipment for fire-fighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Specific hazards arising from the chemical** None.

### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

**Personal precautions** Use personal protective equipment. Do not get in eyes, on skin, or on clothing.

**Advice for emergency responders** Use personal protective equipment as required.

**Methods and materials for containment and cleaning up**

**Methods for containment** Prevent dust cloud. Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Sweep up and shovel into suitable containers for disposal. Dispose of in accordance with local regulations.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling** Use personal protective equipment as required. Keep container closed when not in use. Never return spills in original containers for re-use. Keep out of the reach of children.

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

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible products** None known.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines** No exposure limits noted for ingredient(s).

**Exposure controls**

**Engineering Measures** **Distribution, Workplace and Household Settings:**  
Ensure adequate ventilation

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction

**Personal Protective Equipment**

**Eye Protection** **Distribution, Workplace and Household Settings:**  
No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Use appropriate eye protection

**Hand Protection** **Distribution, Workplace and Household Settings:**  
No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Protective gloves

**Skin and Body Protection** **Distribution, Workplace and Household Settings:**  
No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**

Wear suitable protective clothing

**Respiratory Protection**

**Distribution, Workplace and Household Settings:**  
No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
In case of inadequate ventilation wear respiratory protection

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State @20°C</b>	Solid	
<b>Appearance</b>	light green	
<b>Odor</b>	Scented	
<b>Odor threshold</b>	No information available	
<u>Property</u>	<u>Values</u>	<u>Note</u>
<b>pH value</b>	10.0 - 11.5	(as 1% solution)
<b>Melting Point / Freezing Point</b>	Not available	Not available. This property is not relevant for the safety and classification of this product
<b>Boiling point / boiling range</b>	No data available	Not applicable. This property is not relevant for solid product forms
<b>Flash point</b>	No data available	Not applicable. This property is not relevant for solid product forms.
<b>Evaporation rate</b>	No data available	Not applicable. This property is not relevant for solid product forms
<b>Flammability (solid, gas)</b>	No data available	Not applicable. This product is not classified as explosive as it does not contain any substances which possesses explosive properties
<b>Flammability Limits in Air</b>		
<b>Upper flammability limit</b>	No information available	
<b>Lower Flammability Limit</b>	No information available	
<b>Vapor pressure</b>	No information available	Not applicable. This property is not relevant for solid product forms
<b>Vapor density</b>	No data available	Not applicable. This property is not relevant for solid product forms
<b>Relative density</b>	0.44	
<b>Water solubility</b>	100%	
<b>Partition coefficient: n-octanol/water</b>	No information available	Not available. This property is not relevant for the safety and classification of this product
<b>Autoignition temperature</b>	Not available	Not available. This property is not relevant for the safety and classification of this product .
<b>Decomposition temperature</b>	No information available	
<b>Viscosity</b>	No information available	Not applicable. This property is not relevant for solid product forms
<b>VOC Content (%)</b>	Products comply with US state and federal regulations for VOC content in consumer products.	

**10. STABILITY AND REACTIVITY**

<b>Reactivity</b>	None under normal use conditions.
<b>Stability</b>	Stable under normal conditions.
<b>Hazardous polymerization</b>	Hazardous polymerization does not occur.
<b>Hazardous Reactions</b>	None under normal processing.
<b>Conditions to Avoid</b>	None under normal processing.
<b>Incompatible materials</b>	None in particular.

Hazardous Decomposition Products None under normal use conditions.

## 11. TOXICOLOGICAL INFORMATION

### Product Information

Information on likely routes of exposure

Inhalation	No known effect.
Skin contact	No known effect.
Ingestion	No known effect.
Eye contact	Irritating to eyes.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Acute toxicity	No known effect.
Skin corrosion/irritation	No known effect.
Serious eye damage/eye irritation	Irritating to eyes.
Skin sensitization	No known effect.
Respiratory sensitization	No known effect.
Germ cell mutagenicity	No known effect.
Neurological Effects	No known effect.
Reproductive toxicity	No known effect.
Developmental toxicity	No known effect.
Teratogenicity	No known effect.
STOT - single exposure	No known effect.
STOT - repeated exposure	No known effect.
Target Organ Effects	No known effect.
Aspiration hazard	No known effect.
Carcinogenicity	No known effect.

### Component Information

Chemical Name	CAS-No	Oral LD50	Dermal LD50	Inhalation LC50
Sodium carbonate	497-19-8	2800 mg/kg bw	> 2000 mg/kg bw (US EPA 16 CFR 1500.40)	-
Silicic acid, sodium salt	1344-09-8	3400 mg/kg bw (OECD 401)	> 5000 mg/kg bw	-

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

The product is not expected to be hazardous to the environment.

Persistence and degradability	No information available.
Bioaccumulative potential	No information available.
Mobility	No information available.
Other adverse effects	No information available.

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

Waste from Residues/Unused Products	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging	Disposal should be in accordance with applicable regional, national and local laws and

regulations.

California Hazardous Waste Codes 331  
(non-household setting)

#### 14. TRANSPORT INFORMATION

DOT Not regulated

IMDG Not regulated

IATA Not regulated

#### 15. REGULATORY INFORMATION

##### U.S. Federal Regulations

##### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

##### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

##### **Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

##### **Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

##### **California Proposition 65**

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

##### **U.S. State Regulations (RTK)**

Chemical Name	CAS-No	Massachusetts
Sulfuric acid sodium salt (1:2)	7757-82-6	X

Chemical Name	CAS-No	Pennsylvania
Sulfuric acid sodium salt (1:2)	7757-82-6	X

##### International Inventories

##### **United States**

All intentionally-added components of this product(s) are listed on the US TSCA Inventory.

##### **Canada**

This product is in compliance with CEPA for import by P&G.

**Legend**

United States Toxic Substances Control Act Section 8(b) Inventory (TSCA)  
CEPA - Canadian Environmental Protection Act

**16. OTHER INFORMATION**

**HMIS Ratings**

Health hazard	-
Flammability	1
Physical hazard	0

**NFPA Ratings**

Health hazard	2
Flammability	1
Instability	0

Issuing Date: 15-Jan-2015  
Revision Date: 14-May-2018

**Disclaimer.**

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

End of SDS

## SAFETY DATA SHEET



Issuing Date: 30-Mar-2015

Revision Date: 30-Mar-2015

Version 1

### 1. IDENTIFICATION

<b>Product Name</b>	Bounce Fabric Softener Sheets - Outdoor Fresh
<b>Product ID:</b>	92387946_RET_NG
<b>Product Type:</b>	Finished Product - Consumer (Retail) Use Only
<b>Recommended Use</b>	Laundry Care
<b>Restrictions on Use</b>	Use only as directed on label.
<b>Manufacturer</b>	PROCTER & GAMBLE - Fabric and Home Care Division. Ivorydale Technical Centre. 5289 Spring Grove Avenue, Cincinnati, Ohio 45217-1087 USA
<b>E-mail Address</b>	pgsds.im@pg.com
<b>Emergency Telephone</b>	Transportation (24 HR) CHEMTREC - 1-800-424-9300 (U.S./ Canada) or 1-703-527-3887 Mexico toll free in country: 800-681-9531

### 2. HAZARD IDENTIFICATION

"Consumer Products", as defined by the US Consumer Product Safety Act and which are used as intended (typical consumer duration and frequency), are exempt from the OSHA Hazard Communication Standard (29 CFR 1910.1200). This SDS is being provided as a courtesy to help assist in the safe handling and proper use of the product.

**This product is classified under 29CFR 1910.1200(d) and the Canadian Hazardous Products Regulation as follows.:**

Not Classified.

<b>Signal Word</b>	None
<b>Hazard Statements</b>	None
<b>Hazard pictograms</b>	None
<b>Precautionary Statements - Prevention</b>	None
<b>Precautionary Statements - Response</b>	None
<b>Precautionary Statements - Storage</b>	None
<b>Precautionary Statements - Disposal</b>	None

**Disposal**

Hazards not otherwise classified (HNOC) None

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredients are listed according to 29CFR 1910.1200 Appendix D and the Canadian Hazardous Products Regulation.

Chemical Name	Synonyms	Trade Secret	CAS-No	Weight %
Bentonite	-	No	1302-78-9	5 - 10
4-tert-Butylcyclohexyl acetate	-	No	32210-23-4	0.1 - 1.0
Tetramethyl Acetyloctahydronaphthalenes	-	No	54464-57-2	0.1 - 1.0
Hexyl Cinnamal	-	No	101-86-0	0.1 - 1.0
Acetylcedrene	-	No	32388-55-9	0.1 - 1.0
Citronellol	-	No	106-22-9	0.1 - 1.0
Alpha-Isomethyl Ionone	-	No	127-51-5	0.1 - 1.0

**4. FIRST AID MEASURES**

First aid measures for different exposure routes

**Eye contact** Rinse with plenty of water. Get medical attention immediately if irritation persists.

**Skin contact** Rinse with plenty of water. Get medical attention if irritation develops and persists.

**Ingestion** If ingested, contact a physician immediately. Blockage of the gastrointestinal tract may occur.

**Inhalation** Move to fresh air. If symptoms persist, call a physician.

**Most important symptoms/effects, acute and delayed** None under normal use conditions.

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

**Notes to Physician** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media** Dry chemical, CO<sub>2</sub>, alcohol-resistant foam or water spray.

**Unsuitable Extinguishing Media** None.

**Special hazard** None known.

**Special protective equipment for fire-fighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Specific hazards arising from the chemical** None.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Use personal protective equipment. Do not get in eyes, on skin, or on clothing.

**Advice for emergency responders** Use personal protective equipment as required.

**Methods and materials for containment and cleaning up**

**Methods for containment** Prevent dust cloud. Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Sweep up and shovel into suitable containers for disposal. Dispose of in accordance with local regulations.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling** Use personal protective equipment as required. Keep container closed when not in use. Never return spills in original containers for re-use. Keep out of the reach of children.

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

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible products** None known.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

Chemical Name	CAS-No	ACGIH TLV	OSHA PEL	Mexico PEL
Bentonite	1302-78-9	TWA: 1 mg/m <sup>3</sup> respirable fraction		

Chemical Name	CAS-No	Alberta	Quebec	Ontario TWA EV	British Columbia
Bentonite	1302-78-9			TWA: 1 mg/m <sup>3</sup>	TWA: 1.0 mg/m <sup>3</sup>

No relevant exposure guidelines for other ingredients

**Exposure controls**

**Engineering Measures** **Distribution, Workplace and Household Settings:**  
Ensure adequate ventilation

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction

**Personal Protective Equipment**

**Eye Protection** **Distribution, Workplace and Household Settings:**  
No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Use appropriate eye protection

**Hand Protection** **Distribution, Workplace and Household Settings:**  
No special protective equipment required

	<b>Product Manufacturing Plant (needed at Product-Producing Plant ONLY):</b> Protective gloves
<b>Skin and Body Protection</b>	<b>Distribution, Workplace and Household Settings:</b> No special protective equipment required
	<b>Product Manufacturing Plant (needed at Product-Producing Plant ONLY):</b> Wear suitable protective clothing
<b>Respiratory Protection</b>	<b>Distribution, Workplace and Household Settings:</b> No special protective equipment required
	<b>Product Manufacturing Plant (needed at Product-Producing Plant ONLY):</b> In case of insufficient ventilation wear suitable respiratory equipment

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State @20°C</b>	solid	
<b>Appearance</b>	white	
<b>Odor</b>	Scented	
<b>Odor threshold</b>	No information available	
<u>Property</u>	<u>Values</u>	<u>Note</u>
<b>pH value</b>	Not Applicable	
<b>Melting/freezing point</b>	No information available	
<b>Boiling point/boiling range</b>	No information available	
<b>Flash point</b>	No information available	
<b>Evaporation rate</b>	No information available	
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limits in Air</b>		
<b>Upper flammability limit</b>	No information available	
<b>Lower Flammability Limit</b>	No information available	
<b>Vapor pressure</b>	No information available	
<b>Vapor density</b>	No information available	
<b>Relative density</b>	No information available	
<b>Water solubility</b>	No information available	
<b>Solubility in other solvents</b>	No information available	
<b>Partition coefficient: n-octanol/water</b>	No information available	
<b>Autoignition temperature</b>	No information available	
<b>Decomposition temperature</b>	No information available	
<b>Viscosity of Product</b>	No information available	
<b>VOC Content (%)</b>	Products comply with US state and federal regulations for VOC content in consumer products.	

**10. STABILITY AND REACTIVITY**

<b>Reactivity</b>	None under normal use conditions.
<b>Stability</b>	Stable under normal conditions.
<b>Hazardous polymerization</b>	Hazardous polymerization does not occur.
<b>Hazardous Reactions</b>	None under normal processing.
<b>Conditions to Avoid</b>	None under normal processing.
<b>Materials to avoid</b>	None in particular.

Hazardous Decomposition Products None under normal use.

## 11. TOXICOLOGICAL INFORMATION

### Product Information

Information on likely routes of exposure

Inhalation	No known effect.
Skin contact	No known effect.
Ingestion	No known effect.
Eye contact	No known effect.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Acute toxicity	No known effect.
Skin corrosion/irritation	No known effect.
Serious eye damage/eye irritation	No known effect.
Skin sensitization	No known effect.
Respiratory sensitization	No known effect.
Germ cell mutagenicity	No known effect.
Neurological Effects	No known effect.
Reproductive toxicity	No known effect.
Developmental toxicity	No known effect.
Teratogenicity	No known effect.
STOT - single exposure	No known effect.
STOT - repeated exposure	No known effect.
Target Organ Effects	No known effect.
Aspiration hazard	No known effect.
Carcinogenicity	No known effect.

### Component Information

Chemical Name	CAS-No	LD50 Oral	LD50 Dermal	LC50 Inhalation
Bentonite	1302-78-9	5000.00 mg/kg (rat)	-	-

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

The product is not expected to be hazardous to the environment.

Persistence and degradability	No information available.
Bioaccumulative potential	No information available.
Mobility	No information available.
Other adverse effects	No information available.

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment

**Waste from Residues / Unused Products** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

California Hazardous Waste Codes 331  
(non-household setting)

#### 14. TRANSPORT INFORMATION

**DOT** Not regulated  
**IMDG** Not regulated  
**IATA** Not regulated

#### 15. REGULATORY INFORMATION

##### U.S. Federal Regulations

##### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

##### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

##### **Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

##### **Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

##### **California Proposition 65**

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

##### **U.S. State Regulations (RTK)**

This product does not contain any substances regulated by state right-to-know regulations

##### International Inventories

##### **United States**

All intentionally-added components of this product(s) are listed on the US TSCA Inventory.

##### **Canada**

This product is in compliance with CEPA for import by P&G.

##### Legend

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**CEPA** - Canadian Environmental Protection Act

#### 16. OTHER INFORMATION

**Issuing Date:** 30-Mar-2015

**Revision Date:** 30-Mar-2015

**Disclaimer**

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

**End of SDS**



**Precautionary Statements – Storage**

No other specific measures identified.

**Precautionary Statements – Disposal**

No other specific measures identified.

**Unknown Acute Toxicity**

3.84% of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%
Sodium Carbonate	497-19-8	30-60
Sodium Chloride	7647-14-5	30-60
Sodium Metasilicate	6834-92-0	10-30
Nonylphenoxyethoxyethanol	68412-54-4	1-5
Sodium Dodecyl Benzene Sulphonate	25155-30-0	1-5

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

**4. FIRST-AID MEASURES****First Aid Measures**

<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>Skin Contact</b>	IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/ attention. Take off contaminated clothing and wash it before reuse.
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Clean mouth with water and drink afterwards plenty of water. If any discomfort persists, obtain medical attention.

**Most Important Symptoms and Effects**

<b>Symptoms</b>	Causes serious eye irritation. Causes skin irritation. Prolonged or repeated exposure can remove natural skin oils and may produce irritation. Harmful if inhaled. May be harmful if swallowed.
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**Indication of Any Immediate Medical Attention and Special Treatment Needed**

<b>Notes to Physician</b>	Treat symptomatically. May aggravate pre-existing skin disorders.
---------------------------	---

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**Water spray (fog). Carbon dioxide (CO<sub>2</sub>). Water. Foam.**Unsuitable Extinguishing Media**

Not determined.

**Specific Hazards Arising from the Chemical**

None known.

**Hazardous Combustion Products**

Normal products of combustion.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

- Personal Precautions**            Wear protective clothing as described in Section 8 of this safety data sheet.
- Environmental Precautions**    Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13, Disposal Considerations, for additional information. See Section 12 for additional Ecological Information.

### Methods and Material for Containment and Cleaning Up

- Methods for Containment**        Prevent from spreading or entering drains, ditches or rivers by using sand, earth, or other appropriate barriers.
- Methods for Clean-Up**            Contain and collect with an inert absorbent and place into an appropriate container for disposal. Rinse area with clean water and dry before permitting traffic.
- Advice on Safe Handling**        Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. For industrial and commercial use only. Avoid contact with skin, eyes or clothing. Wash face, hands, and any exposed skin thoroughly after handling. Take off all contaminated clothing and wash before reuse. Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.

### Conditions for Safe Storage, Including Any Incompatibilities

- Storage Conditions**            Keep container tightly closed and store in a cool, dry and well-ventilated place. Protect from freezing. Keep out of the reach of children.
- Incompatible Materials**        None known.

## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

- Advice on Safe Handling**        Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. For industrial and commercial use only. Avoid contact with skin, eyes or clothing.

### Conditions for Safe Storage, Including Any Incompatibilities

- Storage Conditions**            Keep container tightly closed and store in a cool, dry and well-ventilated place. Protect from freezing. Keep out of the reach of children.

- Incompatible Materials**        None known based on information supplied

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium Carbonate 497-19-8	-	15mg/m <sup>3</sup>	-
Sodium Chloride 7647-14-5	TWA: 15 mg/m <sup>3</sup>	-	-
Sodium Metasilicate 6834-92-0	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>	-

### Appropriate Engineering Controls

- Engineering Controls**            Ensure adequate ventilation, especially in confined areas. Good general room ventilation

(equivalent to outdoors) should be adequate under normal conditions. Eyewash stations. Showers.

### Individual Protection Measures, such as Personal Protective Equipment

<b>Eye/Face Protection</b>	Use chemical splash goggles or glasses as necessary to prevent contact.
<b>Skin and Body Protection</b>	Not usually necessary under conditions of normal use. Normal work clothing (long sleeved shirts and long pants) is recommended.
<b>Respiratory Protection</b>	Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation wear respiratory protection.
<b>General Hygiene Considerations</b>	Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling. Wash contaminated clothing before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

<b>Physical State</b>	Powder	<b>Odor</b>	Lemon
<b>Appearance</b>	Yellow	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Yellow		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
pH (1%)	11.5-12.0	as a 1% w/w solution	
<b>Melting Point/Freezing Point</b>	Not applicable		
<b>Boiling Point/Boiling Range</b>	Not applicable		
<b>Flash Point</b>	Not applicable		
<b>Evaporation Rate</b>	Not applicable		
<b>Flammability (Solid, Gas)</b>	Not determined		
<b>Upper Flammability Limits</b>	Not applicable		
<b>Lower Flammability Limit</b>	Not applicable		
<b>Vapor Pressure</b>	Not applicable		
<b>Vapor Density</b>	Not applicable		
<b>Specific Gravity</b>	1.13		
<b>Water Solubility</b>	Moderately soluble	@ 25 °C (77 °F)	
<b>Solubility in other solvents</b>	Not determined		
<b>Partition Coefficient</b>	Not determined		
<b>Auto-ignition Temperature</b>	Not determined		
<b>Decomposition Temperature</b>	Not determined		
<b>Kinematic Viscosity</b>	Not determined		
<b>Dynamic Viscosity</b>	Not determined		
<b>Explosive Properties</b>	Not determined		
<b>Oxidizing Properties</b>	Not determined		

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Hazardous Polymerization

Hazardous polymerization does not occur.

### Conditions to Avoid

Keep out of reach of children.

### Incompatible Materials

**Hazardous Decomposition Products**

Normal products of combustion.

**11. TOXICOLOGICAL INFORMATION**

**Information on Likely Routes of Exposure**

**Product Information**

- Eye Contact** Causes serious eye irritation
- Skin Contact** Causes skin irritation.
- Inhalation** Harmful if inhaled.
- Ingestion** May be harmful if swallowed.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium Carbonate 497-19-8	= 4090 mg/kg ( Rat )	-	-
Sodium Chloride 7647-14-5	= 3 g/kg ( Rat )	> 10 g/kg ( Rabbit )	> 42 g/m <sup>3</sup> ( Rat ) 1 h
Sodium Metasilicate 6834-92-0	= 600 mg/kg ( Rat )	-	-
Nonylphenoxypolyethoxyethanol 68412-54-4	= 3310 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	-
Sodium Dodecyl Benzene Sulphonate 25155-30-0	= 438 mg/kg ( Rat )	-	-

**Information on Physical, Chemical and Toxicological Effects**

**Symptoms** Please see section 4 of this SDS for symptoms.

**Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure**

**Carcinogenicity** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Numerical measures of toxicity**

Not determined

**Unknown Acute Toxicity**

3.84% of the mixture consists of ingredient(s) of unknown toxicity.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Component Information**

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sodium Carbonate 497-19-8	242: 120 h Nitzschia mg/L EC50	300: 96 h Lepomis macrochirus mg/L LC50 static 310 - 1220: 96 h Pimephales promelas mg/L LC50 static	-	265: 48 h Daphnia magna mg/L EC50

Sodium Chloride 7647-14-5	-	5560 - 6080: 96 h Lepomis macrochirus mg/L LC50 flow-through 12946: 96 h Lepomis macrochirus mg/L LC50 static 6020 - 7070: 96 h Pimephales promelas mg/L LC50 static 7050: 96 h Pimephales promelas mg/L LC50 semi-static 6420 - 6700: 96 h Pimephales promelas mg/L LC50 static 4747 - 7824: 96 h Oncorhynchus mykiss mg/L LC50 flow-through	-	1000: 48 h Daphnia magna mg/L EC50 340.7 - 469.2: 48 h Daphnia magna mg/L EC50 Static
Sodium Metasilicate 6834-92-0	-	210: 96 h Brachydanio rerio mg/L LC50 semi-static 210:	-	216: 96 h Daphnia magna mg/L EC50
Nonylphenoxypolyethoxyethanol 68412-54-4	-	404-706 mg/L	-	-
Sodium Dodecyl Benzene Sulphonate 25155-30-0	-	10.8: 96 h Oncorhynchus mykiss mg/L LC50 static	-	-

**Persistence/Degradability**

Not determined

**Bioaccumulation**

Not determined

**Mobility**

Not determined

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

**Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**California Hazardous Waste Status**

Chemical Name	California Hazardous Waste Status
Sodium Carbonate 497-19-8	Corrosive

**14. TRANSPORT INFORMATION**

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

**Legend:**

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS - Japan Existing and New Chemical Substances
- IECSC - China Inventory of Existing Chemical Substances
- KECL - Korean Existing and Evaluated Chemical Substances
- PICCS - Philippines Inventory of Chemicals and Chemical Substances

**US Federal Regulations**

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

**SARA 311/312 Hazard Categories**

Acute Health Hazard	Yes
Chronic Health Hazard	No

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

The following ingredients appear on various state right to know lists and/or California's Proposition 65 List:

Chemical Name	State List
Sodium Chloride 7647-14-5	NJ, PA

- |  |  |
|--|--|
| AZ- Arizona Ambient Air Quality Guidelines             | IL- Illinois Toxic Air Contaminant- Carcinogenic |
| CT- Connecticut Hazardous Air Pollutants               | MA- Massachusetts Right to Know List             |
| CA- California Director's List of Hazardous Substances | MN- Minnesota Hazardous Substances List          |
| CAP65- California Prop65                               | NJ- New Jersey Right to Know List                |
| FL- Florida Substances List                            | PA- Pennsylvania Right to Know List              |
| ID- Idaho Non-Carcinogen Toxic Air Pollutants          | RI- Rhode Island Hazardous Substances List       |

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	Not determined	Not determined	Not determined	Not determined
<b><u>HMIS</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	2	0	0	Not determined

Issue Date	08-Aug-2011
Revision Date:	12-Feb-2014
Revision Note	New format Version 1.0

**Disclaimer**

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

**Keep Out of Reach of Children. For Industrial and Institutional Use Only.**

\*Denotes changes from last version.

**End of Safety Data Sheet**

I Tem # 124

F-154

Safety Data Sheet



Revision Number: 009.0

Issue Date: 04/20/2015

1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

Product identifier used on the label: Purex® Natural Elements Ultraconcentrated Liquid Laundry Detergent – Apple & Melon
Purex® Natural Elements Ultraconcentrated Liquid Laundry Detergent – Linen & Lilies
Purex® Triple Action Detergent – Linen & Lilies
Purex® Natural Elements Ultraconcentrated Liquid Laundry Detergent – Citrus & Aloe
Purex® Natural Elements Ultraconcentrated Liquid Laundry Detergent – Tropical Splash
Purex® Natural Elements Ultraconcentrated Liquid Laundry Detergent for High Efficiency HE Washers – Lilac & White Lavender
Purex® Triple Action Detergent – Lilac & White Lavender
Purex® ColdWater Ultraconcentrated Liquid Laundry Detergent -- Alpine Fresh
Purex® No Sort Ultraconcentrated Liquid Laundry Detergent – Fresh Scent

Other means of identification: 1045630, 1290861, 1634802 (Apple & Melon); 1045629, 1272076, 1634772 (Linen & Lilies); 1304152, 1327241, 1634803 (Citrus & Aloe); 1615471, 1615449, 1634813 (Tropical Splash); 1146087, 1272074, 1634807 (HE - Lilac & White Lavender); 1578871, 1579258, 1634600 (ColdWater – Alpine Fresh); 1857120, 1854009 (No Sort Fresh Scent)

Recommended use of the chemical and restrictions on use: heavy duty detergent, No restrictions on use.

Name, address and telephone number of the chemical manufacturer:

The Dial Corporation, a Henkel Company
7201 E. Henkel Way
Scottsdale, AZ 85255-9672 USA

CHEMTREC: 1-800-424-9300 (24 hours daily)
Internet: www.henkelna.com

Emergency telephone number: Medical Emergencies: 1-888-689-9082

2. HAZARD IDENTIFICATION

Classification of the substance or mixture in accordance with paragraph (d) of §1910.1200

Table with 2 columns: HAZARD CLASS, HAZARD CATEGORY. Rows: SKIN IRRITATION (2), EYE IRRITATION (2A)

Signal word, hazard statement(s), symbol(s) and precautionary statement(s) in accordance with paragraph (f) of §1910.1200

Signal word: WARNING
Hazard Statement(s): Causes skin irritation. Causes serious eye irritation.



Symbol(s):

Precautionary Statements:

Prevention: Wash thoroughly after handling. Wear eye and face protection. Wear protective gloves.
Response: IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing. If skin irritation occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing.
Storage: Not prescribed
Disposal: Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Hazards not otherwise classified: Not available.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

The following chemicals are classified as health hazards in accordance with paragraph (d) of § 1910.1200.

Chemical Name*	CAS Number (Unique Identifier)	Concentration
Alcohols, C10-16, ethoxylated, sulfates, sodium salts, 2EO	68585-34-2	5 - 10%
Sodium chloride	7647-14-5	1 - 5%
Alcohols, C12-18, 7EO.	68213-23-0	1 - 5%

\*The specific chemical identity and/or exact percentage (concentration) of composition has been withheld because a trade secret is claimed in accordance with paragraph (i) of §1910.1200.

### 4. FIRST AID MEASURES

#### Description of necessary measures

**Inhalation:** Remove from exposure area to fresh air. Contact physician or local poison control center.

**Skin contact:** Rinse affected area with large amounts of water until no evidence of product remains. Get medical attention if irritation persists.

**Eye contact:** Rinse eyes immediately with plenty of water, occasionally lifting upper and lower lids, until no evidence of product remains. Get medical attention if pain or irritation persist.

**Ingestion:** Dilution by rinsing the mouth and giving water or milk to drink is generally recommended. Contact physician or local poison control center.

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

After eye contact: May cause moderate to severe irritation. After skin contact: Temporary irritation of the skin (redness, swelling, burning).

After inhalation: Breathing high vapor concentrations may produce anesthetic effects, nausea, dizziness, headache. After ingestion: Ingestion may cause irritation of mouth, throat, digestive tract, diarrhea and vomiting.

#### Indication of any immediate medical attention and special treatment needed

After eye contact: Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. After skin contact: Rinse affected area with large amounts of mild soap and water until no evidence of product remains. After inhalation: Remove from exposure area to fresh air. After ingestion: Dilution by rinsing the mouth and giving water or milk to drink is generally recommended.

### 5. FIRE FIGHTING MEASURES

#### Suitable (and unsuitable) extinguishing media

**Suitable extinguishing media:** Dry chemical, carbon dioxide, water spray or regular foam.

**Unsuitable extinguishing media:** None

#### Specific hazards arising from the chemical

Oxides of carbon and oxides of nitrogen.

#### Special protective equipment and precautions for fire-fighters

In case of fire, wear a full-face positive-pressure self-contained breathing apparatus and protective suit. Shut off all ignition sources. Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Avoid breathing vapors, keep upwind. Keep unnecessary personnel away.

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

Wear skin, eye and respiratory protection as recommended in Section 8. Stop or reduce any leaks if it is safe to do so. Spills present a slipping hazard. Keep unnecessary personnel away. Ensure clean-up is conducted by trained personnel only. Make sure area is slip-free before re-opening to traffic.

#### Environmental Precautions

Small or household quantities may be disposed in sewer or other liquid waste system. For larger quantities check with your local water treatment plant.

#### Methods and materials for containment and cleaning up

**SMALL SPILLS:** Contain and absorb with sand or other non-combustible absorbent material and place into containers for later disposal. Wash site of spillage thoroughly with water. **LARGE SPILLS:** Dike far ahead of spill to prevent further movement. Recover by pumping or by using a suitable absorbent material and place into containers for later disposal. Dispose in suitable waste container.

### 7. HANDLING AND STORAGE

#### Precautions for safe handling

Do not get on eyes or skin. Do not ingest. Use with adequate ventilation. Avoid generating aerosols and mists. Keep the containers closed when not in use.

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

Store away from incompatible substances, excessive heat, flames, sparks or other ignition sources. Storage areas for large quantities (warehouse) should be well ventilated. Keep the containers tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available.

Hazardous Component(s)	ACGIH	OSHA PEL	AIHA WEEL	OTHER
Alcohols, C10-16, ethoxylated, sulfates, sodium salts, 2EO	None	None	None	None
Sodium chloride	None	None	None	None

**Appropriate engineering controls**

Provide local exhaust or general dilution ventilation to keep potential exposure to airborne contaminants below the permissible exposure limits where mists or vapors may be generated.

**Individual protection measures**

**Respiratory:** If respiratory protection is required, it must be based on the contamination levels found in the workplace, must not exceed the working limits of the respirator and be jointly approved by the National Institute for Occupational Safety and Health and the Mine Safety and Health Administration (NIOSH-MSHA).

**Eye:** Splash-proof safety glasses are required to prevent eye contact where splashing of product may occur.

**Hand/Body:** Chemical-resistant gloves are required where repeated or prolonged skin contact may occur. Protective clothing is required where repeated or prolonged skin contact may occur.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	liquid, colorless
<b>Odor:</b>	floral
<b>Odor threshold:</b>	Not available.
<b>pH:</b>	6.8 - 7.8 (25 °C)
<b>Melting point/ range:</b>	Not available.
<b>Boiling point/range:</b>	Not available.
<b>Flash point:</b>	> 93,3 °C (> 199,94 °F)
<b>Evaporation rate:</b>	Not available.
<b>Flammable/Explosive limits - lower:</b>	Not available.
<b>Flammable/Explosive limits - upper:</b>	Not available.
<b>Vapor pressure:</b>	Not available.
<b>Vapor density:</b>	Not available.
<b>Solubility in water:</b>	Not available.
<b>Partition coefficient (n-octanol/water):</b>	Not available.
<b>Autoignition temperature:</b>	Not available.
<b>Decomposition temperature:</b>	Not available.
<b>Viscosity:</b>	Not available.
<b>VOC content:</b>	Not available.
<b>Specific gravity:</b>	Not available.

## 10. STABILITY AND REACTIVITY

**Reactivity:** This product may react with strong alkalis.

**Chemical stability:** Stable under normal ambient temperature (70°F, 21°C) and pressure (1 atm).

**Possibility of hazardous reactions:** Hazardous polymerization does not occur under normal temperatures and pressures.

**Conditions to avoid:** Avoid storing in direct sunlight, avoid extremes of temperature, avoid contact with incompatible substances.

**Incompatible materials:** Strong oxidizers and alkalis.

**Hazardous decomposition products:** Thermal decomposition products may include oxides of carbon.

## 11. TOXICOLOGICAL INFORMATION

Likely routes of exposure including symptoms related to characteristics

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**Inhalation:** Unlikely to occur due to the physical properties of the product. Inhalation of product mist may cause irritation of the nose, throat, and respiratory tract.

**Skin contact:** Repeated or prolonged excessive exposure may cause irritation or dermatitis.

**Eye contact:** This product may cause irritation with stinging, tearing, and redness.

**Ingestion:** Ingestion of large quantities may cause gastrointestinal irritation with nausea, vomiting and diarrhea.

**Physical/Chemical:** No physical/chemical hazards are anticipated for this product.

**Other relevant toxicity information:**

This product is a laundry care product. The use of this product by consumers is safe under normal and reasonable foreseen use.

**Numerical measures of toxicity, including delayed and immediate effect**

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Alcohols, C10-16, ethoxylated, sulfates, sodium salts, 2EO	None	Irritant
Sodium chloride	Oral LD50 (RAT) = 3.000 mg/kg	Irritant
Alcohols, C12-18, 7EO	None	Central nervous system, Irritant

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Alcohols, C10-16, ethoxylated, sulfates, sodium salts, 2EO	No	No	No
Sodium chloride	No	No	No
Alcohols, C12-18, 7EO	No	No	No

**Carcinogenicity** None of the ingredients in this product are listed as carcinogens by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP) or the Occupational Safety and Health Administration (OSHA).

**Mutagenicity** None of the ingredients in this product are known to cause mutagenicity.

**Toxicity for reproduction** None of the ingredients in this product are known as reproductive, fetal, or developmental hazards.

**12. ECOLOGICAL INFORMATION**

**Aquatic Toxicity:**

The following toxicity information is available for the hazardous ingredient(s) when used as technical grade and is provided as reference for the occupational settings. This product is anticipated to be safe for the environment at concentrations predicted in household settings under normal use conditions.

**Toxicity to fish:**

The aquatic toxicity profile of this product has not been determined.

**Toxicity to aquatic invertebrates:**

The aquatic toxicity profile of this product has not been determined.

**Toxicity to algae:**

The aquatic toxicity profile of this product has not been determined.

**Persistence and degradability:**

Hazardous substances	Result value	Route of application	Species	Method
Alcohols, C10-16, ethoxylated, sulfates, sodium salts, 2EO	readily biodegradable	aerobic	80 - 83 %	OECD 301
Alcohols, C12-18, ethoxylated	readily biodegradable	aerobic	79 %	OECD 301

**Bioaccumulation Potential:** The bioaccumulation potential of this product has not been determined.

**Mobility:** The mobility of this product (in soil and water) has not been determined.

**13. DISPOSAL CONSIDERATIONS**

**Waste Number and Description:** Not applicable

**Disposal Considerations:** Not regulated

**Disposal of products:** This product is not a RCRA hazardous waste and can be disposed of in accordance with federal, state and local regulations.

**Disposal of packages:** Dispose of container and unused contents in accordance with federal, state and local requirements.

**14. TRANSPORT INFORMATION**

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The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

**U.S. Department of Transportation Ground (49 CFR)**

**Proper shipping name:** Not regulated  
**Hazard class or division:** None  
**Identification number:** None  
**Packing group:** None

**International Air Transportation (ICAO/IATA)**

**Proper shipping name:** Not regulated  
**Hazard class or division:** None  
**Identification number:** None  
**Packing group:** None

**Water Transportation (IMO/MDG)**

**Proper shipping name:** Not regulated  
**Hazard class or division:** None  
**Identification number:** None  
**Packing group:** None

**15. REGULATORY INFORMATION**

**Occupational safety and health act:** Hazard Communication Standard, 29 CFR 1910.1200(g) Appendix D: The Occupational Safety and Health Administration (OSHA) require that the Safety Data Sheets (SDSs) are readily accessible to employees for all hazardous chemicals in the workplace. Since the use pattern and exposure in the workplace are generally not consistent with those experienced by consumers, this SDS may contain health hazard information not relevant to consumer use.

**United States Regulatory Information**

**TSCA 8 (b) Inventory Status** All components of this product are either listed on or exempt from the U.S. Toxic Substances Control Act (TSCA) chemical substance inventory.

**TSCA 12 (b) Export Notification:** None above reporting de minimis

**CERCLA/SARA Section 302:** None above reporting de minimis

**CERCLA/SARA Section 311/312:** Not available.

**CERCLA/SARA Section 313:** None above reporting de minimis

**California Proposition 65:** This product does not contain substances listed under California Proposition 65.

**Canada Regulatory Information:**

**Canadian Environmental Protection Act:**

Inventory Status: All components of this product are listed on either the Canadian Domestic Substances List (DSL) or the Non-Domestic Substances List (NDSL).

**16. OTHER INFORMATION**

**DISCLAIMER:** The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation and its affiliates ("Henkel") does not assume responsibility for any results obtained by persons over whose methods Henkel has no control. It is the user's responsibility to determine the suitability of Henkel's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any Henkel's products. In light of the foregoing, Henkel specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel's products. Henkel further disclaims any liability for consequential or incidental damages of any kind, including lost profits.

**This safety data sheet contains changes from the previous version in sections: 12**

**Prepared by:** R&D Support Services

**Issue date:** 04/20/2015

**Supersedes:** Rev. 8, 08/11/2014

Item # 125

# SAFETY DATA SHEET

Issuing Date 17-Jul-2017

Revision Date 13-Jul-2017

Revision Number 1

NGHS / English



The supplier identified below generated this SDS using the UL SDS template. UL did not test, certify, or approve the substance described in this SDS, and all information in this SDS was provided by the supplier or was reproduced from publically available regulatory data sources. UL makes no representations or warranties regarding the completeness or accuracy of the information in this SDS and disclaims all liability in connection with the use of this information or the substance described in this SDS. The layout, appearance and format of this SDS is © 2014 UL LLC. All rights reserved.

## 1. IDENTIFICATION

### Product identifier

Product Name Liquid Laundry Detergent

### Other means of identification

Product Code(s) 1407897

### Recommended use of the chemical and restrictions on use

Recommended Use Laundry, Detergent

Restrictions on use No information available

### Details of the supplier of the safety data sheet

Supplier Identification US Nonwovens

Address 100 Emjay Blvd  
Brentwood  
NY  
11717  
US

Telephone Phone:6319520100  
Fax:6319520100

E-mail hkaur@usnonwovens.com

### Emergency telephone number

Company Emergency Phone Number 6319520100

## 2. HAZARDS IDENTIFICATION

### Classification

Skin sensitization	Category 1
--------------------	------------



Appearance Blue

Physical state Liquid

Odor Pleasant

**GHS Label elements, including precautionary statements**

**Warning**

**Hazard statements**

May cause an allergic skin reaction



**Precautionary Statements - Prevention**

Avoid breathing dust/fume/gas/mist/vapors/spray  
 Contaminated work clothing must not be allowed out of the workplace  
 Wear protective gloves

**Precautionary Statements - Response**

Specific treatment (see supplemental first aid instructions on this label)

**Skin**

IF ON SKIN: Wash with plenty of water and soap  
 If skin irritation or rash occurs: Get medical advice/attention  
 Wash contaminated clothing before reuse

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other information**

**Unknown acute toxicity** 6.26 % of the mixture consists of ingredient(s) of unknown toxicity  
 5 % of the mixture consists of ingredient(s) of unknown acute oral toxicity  
 6.26 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity  
 6.26 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)  
 6.26 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)  
 5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Substance**

Not applicable.

**Mixture**

Chemical name	CAS-No	Percent	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Sodium carbonate	497-19-8	1.26	-	-
Sodium laureth sulfate	9004-82-4	0.6	-	-



#### 4. FIRST AID MEASURES

##### First aid measures

<b>General advice</b>	Show this safety data sheet to the doctor in attendance.
<b>Inhalation</b>	Remove to fresh air.
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin contact</b>	Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water.

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

**Symptoms** Itching. Rashes. Hives.

##### Indication of any immediate medical attention and special treatment needed

**Note to physicians** May cause sensitization in susceptible persons. Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable extinguishing media</b>	CAUTION: Use of water spray when fighting fire may be inefficient.
<b>Specific hazards arising from the chemical</b>	Product is or contains a sensitizer. May cause sensitization by skin contact.
<b>Hazardous Combustion Products</b>	Carbon oxides.
<b>Explosion Data</b>	
<b>Sensitivity to Mechanical Impact</b>	None.
<b>Sensitivity to Static Discharge</b>	None.
<b>Special protective equipment for fire-fighters</b>	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

#### 6. ACCIDENTAL RELEASE MEASURES

##### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required.

##### Methods and material for containment and cleaning up

<b>Methods for containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

**7. HANDLING AND STORAGE**

Precautions for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Control parameters

**Exposure Limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems.

Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Hand protection** Wear suitable gloves.

**Skin and body protection** Wear suitable protective clothing.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical and Chemical Properties

**Physical state** Liquid  
**Appearance** Blue  
**Odor** Pleasant  
**Color** No information available  
**Odor Threshold** Not applicable

<u>Property</u>	<u>Values</u>	<u>Remarks</u>	<u>Method</u>
pH	UNKNOWN		
Melting / freezing point	No data available	None known	



Boiling point / boiling range	No data available	None known
Flash Point	No data available	None known
Evaporation Rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability limit	No data available	
Lower flammability limit	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Relative density	1	
Water Solubility	Soluble in water	
Solubility(ies)	No data available	None known
Partition coefficient: n-octanol/water <sup>1</sup>		
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known

**Other Information**

Explosive properties	No information available
Oxidizing properties	No information available
Softening Point	No information available
Molecular Weight	No information available
VOC Content (%)	No information available
Liquid Density	No information available
Bulk Density	No information available
Particle Size	No information available
Particle Size Distribution	No information available

## 10. STABILITY AND REACTIVITY

Reactivity	No information available.
Chemical stability	Stable under normal conditions.
Possibility of Hazardous Reactions	None under normal processing.
Hazardous Polymerization	Hazardous polymerization does not occur.
Conditions to avoid	None known based on information supplied.
Incompatible materials	None known based on information supplied.
Hazardous Decomposition Products	Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure****Product Information**

Inhalation	Specific test data for the substance or mixture is not available.
Eye contact	Specific test data for the substance or mixture is not available.
Skin contact	Specific test data for the substance or mixture is not available. May cause sensitization by skin contact. (based on components). Repeated or prolonged skin contact may cause

allergic reactions with susceptible persons.

**Ingestion**

Specific test data for the substance or mixture is not available.

**Information on toxicological effects****Symptoms**

Itching. Rashes. Hives.

**Numerical measures of toxicity****Acute Toxicity**

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (inhalation-dust/mist) 91.27 mg/L

**Unknown acute toxicity** 6.26 % of the mixture consists of ingredient(s) of unknown toxicity

5 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

6.26 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

6.26 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

6.26 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium carbonate	= 4090 mg/kg ( Rat )	-	= 2300 mg/m <sup>3</sup> ( Rat ) 2 h
Sodium laureth sulfate	= 1600 mg/kg ( Rat )	-	-

**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Skin corrosion/irritation**

No information available.

**Serious eye damage/eye irritation**

No information available.

**Respiratory or skin sensitization**

May cause sensitization by skin contact.

**Germ cell mutagenicity**

No information available.

**Carcinogenicity**

No information available.

**Reproductive toxicity**

No information available.

**STOT - single exposure**

No information available.

**STOT - repeated exposure**

No information available.

**Aspiration hazard**

No information available.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

The environmental impact of this product has not been fully investigated.

Chemical name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Sodium carbonate	120h EC50: = 242 mg/L (Nitzschia)	96h LC50: = 300 mg/L (Lepomis macrochirus) 96h LC50: 310 - 1220 mg/L (Pimephales promelas)	-	48h EC50: = 265 mg/L

**Persistence and Degradability** No information available.  
**Bioaccumulation** There is no data for this product.  
**Mobility** No information available.  
**Other adverse effects** No information available.

**13. DISPOSAL CONSIDERATIONS**

Waste treatment methods

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.  
**Contaminated packaging** Do not reuse empty containers.

California Hazardous Waste Codes 561

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical name	California Hazardous Waste
Sodium carbonate 497-19-8	Corrosive

**14. TRANSPORT INFORMATION**

DOT  
**Proper Shipping Name** NOT REGULATED  
**Hazard Class** NON-REGULATED  
 N/A

TDG Not regulated

MEX Not regulated

ICAO Not regulated

IATA  
**Proper Shipping Name** Not regulated  
**Hazard Class** NON REGULATED  
 N/A

IMDG/IMO  
**Hazard Class** Not regulated  
 N/A

RID Not regulated

ADR Not regulated

ADN Not regulated

**15. REGULATORY INFORMATION**

Safety, health and environmental regulations/legislation specific for the substance or mixture



**International Regulations**

Ozone-depleting substances (ODS) Not applicable

Persistent Organic Pollutants Not applicable

Export Notification requirements Not applicable

**International Inventories**

TSCA	Contact supplier for inventory compliance status.
DSL/NDSL	Contact supplier for inventory compliance status.
EINECS/ELINCS	Contact supplier for inventory compliance status.
ENCS	Contact supplier for inventory compliance status.
KECL	Contact supplier for inventory compliance status.
PICCS	Contact supplier for inventory compliance status.
AICS	Contact supplier for inventory compliance status.

**Legend**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List  
 EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
 ENCS - Japan Existing and New Chemical Substances  
 KECL - Korean Existing and Evaluated Chemical Substances  
 PICCS - Philippines Inventory of Chemicals and Chemical Substances  
 AICS - Australian Inventory of Chemical Substances

**US Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

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

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

This product does not contain any substances above threshold limits that are regulated by state right-to-know.



**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	Health hazards 2	Flammability 0	Instability 0	Physical and Chemical Properties -
<b><u>HMIS</u></b>	Health hazards 2	Flammability 0	Physical hazards 0	Personal Protection X

**Prepared By** Product Stewardship  
 23 British American Blvd.  
 Latham, NY 12110  
 1-800-572-6501

**Issuing Date** 17-Jul-2017

**Revision Date** 13-Jul-2017

**Revision Note** No information available

**Disclaimer**

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

**End of Safety Data Sheet**



## SAFETY DATA SHEET



Issuing Date: 20-Apr-2015

Revision Date: 20-Apr-2015

Version 1

### 1. IDENTIFICATION

**Product Name** Tide Mt Spring  
**Product ID:** 96733930\_RET\_NG  
**Product Type:** Finished Product - Consumer (Retail) Use Only  
**Recommended Use** Laundry Care  
**Restrictions on Use** Use only as directed on label.  
**Manufacturer** PROCTER & GAMBLE - Fabric and Home Care Division  
 Ivorydale Technical Centre  
 5289 Spring Grove Avenue  
 Cincinnati, Ohio 45217-1087 USA  
  
 Procter & Gamble Inc.  
 P.O. Box 355, Station A  
 Toronto, ON M5W 1C5  
 1-800-331-3774  
  
**E-mail Address** pgsds.im@pg.com  
  
**Emergency Telephone** Transportation (24 HR)  
 CHEMTREC - 1-800-424-9300  
 (U.S./ Canada) or 1-703-527-3887  
 Mexico toll free in country: 800-681-9531

### 2. HAZARD IDENTIFICATION

"Consumer Products", as defined by the US Consumer Product Safety Act and which are used as intended (typical consumer duration and frequency), are exempt from the OSHA Hazard Communication Standard (29 CFR 1910.1200). This SDS is being provided as a courtesy to help assist in the safe handling and proper use of the product.

This product is classified under 29CFR 1910.1200(d) and the Canadian Hazardous Products Regulation as follows:.

**Hazard Category**  
**Skin corrosion/irritation** Category 2  
**Eye Damage / Irritation** Category 2A  
  
**Signal Word** WARNING  
  
**Hazard Statements** Causes serious eye irritation  
 Causes skin irritation  
  
**Hazard pictograms**

**Precautionary Statements - Prevention**

Wash hands thoroughly after handling

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

If eye irritation persists: Get medical advice/attention

IF SWALLOWED:

Drink 1 or 2 glasses of water

IF ON SKIN:

Rinse with plenty of water

If skin irritation occurs, get medical advice/attention

**Precautionary Statements - Storage**

None

**Precautionary Statements - Disposal**

None

**Hazards not otherwise classified (HNOC)**

None

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients are listed according to 29CFR 1910.1200 Appendix D and the Canadian Hazardous Products Regulation

Chemical Name	Synonyms	Trade Secret	CAS-No	Weight %
Sodium carbonate	-	No	497-19-8	30 - 35
Silicic acid, aluminum sodium salt	-	No	1344-00-9	15 - 20
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	-	No	68081-81-2	5 - 10
Carbonic acid disodium salt, compd. with hydrogen peroxide	-	No	15630-89-4	5 - 10
Silicic acid, sodium salt	-	No	1344-09-8	1 - 5
Sulfuric acid, mono-C14-18-alkyl esters, sodium salts	-	No	68081-98-1	1 - 5
Sodium 2-(nonanoyloxy)benzenesulfonate	-	No	91125-43-8	1 - 5
Heptadecanol, hydrogen sulfate, branched, sodium salt	-	No	343978-15-4	1 - 5
Poly(oxy-1,2-ethanediyl), alpha-sulfo-omega-hydroxy-, C10-16-alkyl ethers, sodium salts	-	No	68585-34-2	1 - 5
Hexadecanol, hydrogen sulfate, branched, sodium salt	-	No	343978-24-5	1 - 5
Glycine, N,N-bis[2-[bis(carboxymethyl)amino]ethyl]-, sodium salt (1:5)	-	No	140-01-2	0.1 - 1.0

### 4. FIRST AID MEASURES

**First aid measures for different exposure routes**

<b>Eye contact</b>	Rinse with plenty of water. Get medical attention immediately if irritation persists.
<b>Skin contact</b>	Rinse with plenty of water. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately if symptoms occur.
<b>Inhalation</b>	Move to fresh air. If symptoms persist, call a physician.
<b>Most important symptoms/effects, acute and delayed</b>	None under normal use conditions.

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

**Notes to Physician** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media</b>	Dry chemical, CO <sub>2</sub> , alcohol-resistant foam or water spray.
<b>Unsuitable Extinguishing Media</b>	None.
<b>Special hazard</b>	None known.
<b>Special protective equipment for fire-fighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
<b>Specific hazards arising from the chemical</b>	None.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

<b>Personal precautions</b>	Use personal protective equipment. Do not get in eyes, on skin, or on clothing.
<b>Advice for emergency responders</b>	Use personal protective equipment as required.

**Methods and materials for containment and cleaning up**

<b>Methods for containment</b>	Prevent dust cloud. Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	Sweep up and shovel into suitable containers for disposal. Dispose of in accordance with local regulations.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

<b>Advice on safe handling</b>	Use personal protective equipment as required. Keep container closed when not in use. Never return spills in original containers for re-use. Keep out of the reach of children.
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**Conditions for safe storage, including any incompatibilities**

<b>Storage Conditions</b>	Keep containers tightly closed in a dry, cool and well-ventilated place.
<b>Incompatible products</b>	None known.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

Chemical Name	CAS-No	ACGIH-TLV	OSHA PEL	Mexico PEL
Silicic acid, aluminum sodium salt	1344-00-9	TWA: 1 mg/m <sup>3</sup> respirable fraction		

Chemical Name	CAS-No	Alberta	Quebec	Ontario TWAEV	British Columbia
Silicic acid, aluminum sodium salt	1344-00-9			TWA: 1 mg/m <sup>3</sup>	TWA: 1.0 mg/m <sup>3</sup>

No relevant exposure guidelines for other ingredients

**Exposure controls**

**Engineering Measures**

**Distribution, Workplace and Household Settings:**  
Ensure adequate ventilation

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction

**Personal Protective Equipment**

**Eye Protection**

**Distribution, Workplace and Household Settings:**  
No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Use appropriate eye protection

**Hand Protection**

**Distribution, Workplace and Household Settings:**  
For sensitive skin or prolonged use, wear gloves

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Protective gloves

**Skin and Body Protection**

**Distribution, Workplace and Household Settings:**  
No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Wear suitable protective clothing

**Respiratory Protection**

**Distribution, Workplace and Household Settings:**  
No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
In case of insufficient ventilation wear suitable respiratory equipment

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical State @20°C	solid
Appearance	white powder
Odor	Scented
Odor threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Note</u>
pH value	10 - 11.5	
Melting/freezing point	No information available	
Boiling point/boiling range	No information available	
Flash point	No information available	
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limits in Air		
Upper flammability limit	No information available	
Lower flammability limit	No information available	
Vapor pressure	No information available	
Vapor density	No information available	
Relative density	420 -650 g/L	
Water solubility	Moderately soluble	@ 20 °C
Solubility in other solvents	No information available	
Partition coefficient: n-octanol/water	No information available	
Autoignition temperature	No information available	
Decomposition temperature	No information available	
Viscosity of Product	No information available	
VOC Content (%)	Products comply with US state and federal regulations for VOC content in consumer products.	

**10. STABILITY AND REACTIVITY**

Reactivity	None under normal use conditions.
Stability	Stable under normal conditions.
Hazardous polymerization	Hazardous polymerization does not occur.
Hazardous Reactions	None under normal processing.
Conditions to Avoid	None under normal processing.
Materials to avoid	None in particular.
Hazardous Decomposition Products	None under normal use.

**11. TOXICOLOGICAL INFORMATION**

**Product Information**

Information on likely routes of exposure

Inhalation	No known effect.
Skin contact	Irritating to skin.
Ingestion	No known effect.
Eye contact	Causes serious eye irritation.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

Acute toxicity	No known effect.
Skin corrosion/irritation	Irritating to skin.
Serious eye damage/eye irritation	Causes serious eye irritation.
Skin sensitization	No known effect.
Respiratory sensitization	No known effect.
Germ cell mutagenicity	No known effect.
Neurological Effects	No known effect.
Reproductive toxicity	No known effect.
Developmental toxicity	No known effect.
Teratogenicity	No known effect.
STOT - single exposure	No known effect.
STOT - repeated exposure	No known effect.

Target Organ Effects No known effect.  
 Aspiration hazard No known effect.  
 Carcinogenicity No known effect.

**Component Information**

Chemical Name	CAS-No	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium carbonate	497-19-8	2800 mg/kg bw	> 2000 mg/kg bw (US EPA 16 CFR 1500.40)	-
Silicic acid, aluminum sodium salt	1344-00-9	> 10000 mg/kg bw (//OECD 401)	> 5000 mg/kg bw (//OECD 402)	> 2.08 mg/L air (//OECD 403)
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	68081-81-2	1090.00 mg/kg (rat)	-	-
Carbonic acid disodium salt, compd. with hydrogen peroxide	15630-89-4	893 mg/kg bw (U.S. EPA Office of Pesticides and Toxic Substances (1984) "Acute Exposure Oral Toxicity"; standard acute method; rat)	> 2000 mg/kg bw (EPA Guideline; standard acute method; rabbit)	-
Silicic acid, sodium salt	1344-09-8	3400 mg/kg bw (Similar to OECD 401; standard acute method; rat)	> 5000 mg/kg bw (Read across data on AgSil TM 25 Potassium silicate solution; rat)	> 2.06 mg/L air (Read across data AgSil TM 25 Potassium silicate solution; EPA OPPTS 870.1300; standard acute method; rat)
Sodium 2-(nonanoyloxy)benzenesulfonate	91125-43-8	6030.00 mg/kg (rat)	-	-
Poly(oxy-1,2-ethanediy), alpha-sulfo-omega-hydroxy-, C10-16-alkyl ethers, sodium salts	68585-34-2	>2001 mg/kg	-	-
Glycine, N,N-bis[2-[bis(carboxymethyl)amino]ethyl]-, sodium salt (1:5)	140-01-2	> 5000 mg/kg bw (Read across data (test substance name not indicated); OECD 401; standard acute method; rat)	> 2000 mg/kg bw (OECD 402 and EU Method B.3; standard acute method; rat)	-

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

The product is not expected to be hazardous to the environment.

**Persistence and degradability** No information available.

**Bioaccumulative potential** No information available.

**Mobility** No information available.

**Other adverse effects** No information available.

**13. DISPOSAL CONSIDERATIONS****Waste treatment**

**Waste from Residues / Unused Products** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**California Hazardous Waste Codes (non-household setting)** 331

**14. TRANSPORT INFORMATION**

**DOT** Not regulated

**IMDG** Not regulated

**IATA** Not regulated

**15. REGULATORY INFORMATION****U.S. Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	CAS-No	Hazardous Substances RQs	Extremely Hazardous Substances RQs	CERCLA/SARA 302 TPQ
Sodium hydroxide	1310-73-2	1000 lb	-	

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

**Clean Water Act**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CAS-No	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium hydroxide	1310-73-2	1000 lb	-	-	X

**California Proposition 65**

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

**U.S. State Regulations (RTK)**

Chemical Name	CAS-No	Massachusetts
Sulfuric acid sodium salt (1:2)	7757-82-6	X

Chemical Name	CAS-No	Pennsylvania
Sulfuric acid sodium salt (1:2)	7757-82-6	X
Sodium hydroxide	1310-73-2	X

**International Inventories****United States**

All intentionally-added components of this product(s) are listed on the US TSCA Inventory.

**Canada**

This product is in compliance with CEPA for import by P&G.

**Legend**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

CEPA - Canadian Environmental Protection Act

**16. OTHER INFORMATION**

**Issuing Date:** 20-Apr-2015

**Revision Date:** 20-Apr-2015

**Disclaimer**

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

**End of SDS**

## SAFETY DATA SHEET



Issuing Date: 27-Mar-2015

Revision Date: 27-Mar-2015

Version 1

## 1. IDENTIFICATION

**Product Name** Cascade Gel Extra Action Dishwasher Detergent - Lemon Scent

**Product ID:** 99547487\_RET\_NG

**Product Type:** Finished Product - Consumer (Retail) Use Only

**Recommended Use** Dish Care

**Restrictions on Use** Use only as directed on label.

**Manufacturer** PROCTER & GAMBLE - Fabric and Home Care Division, Ivorydale Technical Centre, 5289 Spring Grove Avenue, Cincinnati, Ohio 45217-1087 USA

**E-mail Address** pgsds.im@pg.com

**Emergency Telephone** Transportation (24 HR)  
CHEMTREC - 1-800-424-9300  
(U.S./ Canada) or 1-703-527-3887  
Mexico toll free in country: 800-681-9531

## 2. HAZARD IDENTIFICATION

"Consumer Products", as defined by the US Consumer Product Safety Act and which are used as intended (typical consumer duration and frequency), are exempt from the OSHA Hazard Communication Standard (29 CFR 1910.1200). This SDS is being provided as a courtesy to help assist in the safe handling and proper use of the product.

This product is classified under 29CFR 1910.1200(d) and the Canadian Hazardous Products Regulation as follows:.

**Hazard Category**

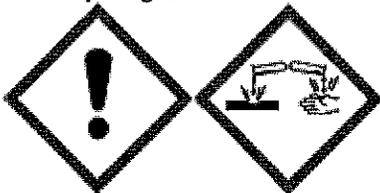
<b>Skin corrosion/irritation</b>	Category 2
<b>Eye Damage / Irritation</b>	Category 2A
<b>Corrosive to metals</b>	Category 1

**Signal Word** WARNING

**Hazard Statements**

- Causes serious eye irritation
- Causes skin irritation
- May be corrosive to metals

**Hazard pictograms**



<b>Precautionary Statements - Prevention</b>	Wash hands thoroughly after handling Keep only in original container
<b>Precautionary Statements - Response</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention IF SWALLOWED: Drink 1 or 2 glasses of water IF ON SKIN: Rinse with plenty of water If skin irritation occurs, get medical advice/attention Absorb spillage to prevent material damage
<b>Precautionary Statements - Storage</b>	Store in corrosive resistant container
<b>Precautionary Statements - Disposal</b>	Dispose of contents/container in accordance with local regulation
<b>Hazards not otherwise classified (HNOC)</b>	None

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients are listed according to 29CFR 1910.1200 Appendix D and the Canadian Hazardous Products Regulation.

Chemical Name	Synonyms	Trade Secret	CAS-No	Weight %
Silicic acid, sodium salt	-	No	1344-09-8	10 - 15
Sodium carbonate	-	No	497-19-8	5 - 10
Sodium hydroxide	-	No	1310-73-2	1 - 5
Sodium hypochlorite	-	No	7681-52-9	1 - 5

### 4. FIRST AID MEASURES

**First aid measures for different exposure routes**

<b>Eye contact</b>	Rinse with plenty of water. Get medical attention immediately if irritation persists.
<b>Skin contact</b>	Rinse with plenty of water. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately if symptoms occur.
<b>Inhalation</b>	Move to fresh air. If symptoms persist, call a physician.
<b>Most important symptoms/effects, acute and delayed</b>	None under normal use conditions.

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

**Notes to Physician** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media** Dry chemical, CO<sub>2</sub>, alcohol-resistant foam or water spray.

**Unsuitable Extinguishing Media** None.

**Special hazard** None known.

**Special protective equipment for fire-fighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Specific hazards arising from the chemical** None.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Use personal protective equipment. Do not get in eyes, on skin, or on clothing.

**Advice for emergency responders** Use personal protective equipment as required.

### Methods and materials for containment and cleaning up

**Methods for containment** Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

**Methods for cleaning up** Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Use personal protective equipment as required. Keep container closed when not in use. Never return spills in original containers for re-use. Keep out of the reach of children.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Store in corrosive resistant container.

**Incompatible products** None known.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

Chemical Name	CAS-No	ACGIH TLV	OSHA PEL	Mexico PEL
Sodium hydroxide	1310-73-2	Ceiling: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup> (vacated) Ceiling: 2 mg/m <sup>3</sup>	Mexico: Ceiling 2 mg/m <sup>3</sup>

Chemical Name	CAS-No	Alberta	Quebec	Ontario TWA EV	British Columbia
Sodium hydroxide	1310-73-2	Ceiling: 2 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup>	CEV: 2 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup>

No relevant exposure guidelines for other ingredients

### Exposure controls

**Engineering Measures** **Distribution, Workplace and Household Settings:**  
Ensure adequate ventilation

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction

**Personal Protective Equipment**

**Eye Protection**

**Distribution, Workplace and Household Settings:**  
No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Use appropriate eye protection

**Hand Protection**

**Distribution, Workplace and Household Settings:**  
For sensitive skin or prolonged use, wear gloves

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Protective gloves

**Skin and Body Protection**

**Distribution, Workplace and Household Settings:**  
No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Wear suitable protective clothing

**Respiratory Protection**

**Distribution, Workplace and Household Settings:**  
No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
In case of insufficient ventilation wear suitable respiratory equipment

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State @20°C</b>	liquid
<b>Appearance</b>	clear
<b>Odor</b>	Scented
<b>Odor threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Note</u>
pH value	11.35	(as 1% solution)
Melting/freezing point	No information available	
Boiling point/boiling range	No information available	
Flash point	> 93.3 °C / > 200 °F	Closed cup
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limits in Air		
Upper flammability limit	No information available	
Lower Flammability Limit	No information available	
Vapor pressure	No information available	
Vapor density	No information available	
Relative density	1.25	
Water solubility	100%	
Solubility in other solvents	No information available	
Partition coefficient: n-octanol/water	No information available	
Autoignition temperature	No information available	
Decomposition temperature	No information available	
Viscosity of Product	No information available	

**VOC Content (%)** Products comply with US state and federal regulations for VOC content in consumer

products.

**10. STABILITY AND REACTIVITY**

**Reactivity** None under normal use conditions.  
**Stability** Stable under normal conditions.  
**Hazardous polymerization** Hazardous polymerization does not occur.  
**Hazardous Reactions** None under normal processing.  
**Conditions to Avoid** None under normal processing.  
**Materials to avoid** None in particular.  
**Hazardous Decomposition Products** None under normal use.

**11. TOXICOLOGICAL INFORMATION**

Product Information

Information on likely routes of exposure

**Inhalation** No known effect.  
**Skin contact** Irritating to skin.  
**Ingestion** No known effect.  
**Eye contact** Causes serious eye irritation.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Acute toxicity** No known effect.  
**Skin corrosion/irritation** Irritating to skin.  
**Serious eye damage/eye irritation** Causes serious eye irritation.  
**Skin sensitization** No known effect.  
**Respiratory sensitization** No known effect.  
**Germ cell mutagenicity** No known effect.  
**Neurological Effects** No known effect.  
**Reproductive toxicity** No known effect.  
**Developmental toxicity** No known effect.  
**Teratogenicity** No known effect.  
**STOT - single exposure** No known effect.  
**STOT - repeated exposure** No known effect.  
**Target Organ Effects** No known effect.  
**Aspiration hazard** No known effect.  
**Carcinogenicity** No known effect.

Component Information

Chemical Name	CAS-No	LD50 Oral	LD50 Dermal	LC50 Inhalation
Silicic acid, sodium salt	1344-09-8	3400 mg/kg bw (Similar to OECD 401; standard acute method; rat)	> 5000 mg/kg bw (Read across data on AgSil TM 25 Potassium silicate solution; rat)	> 2.06 mg/L air (Read across data AgSil TM 25 Potassium silicate solution; EPA OPPTS 870.1300; standard acute method; rat)
Sodium carbonate	497-19-8	2800 mg/kg bw (Guideline not indicated; rat)	> 2000 mg/kg bw (EPA 16 CFR 1500.40; rabbit)	-
Sodium hypochlorite	7681-52-9	626 mg/kg bw (Similar to OECD 401; standard acute method; rat)	> 20000 mg/kg bw (Guideline: 16 CFR 1500.40 and similar to OECD 402; rabbit)	> 10.5 mg/L air (Similar to OECD 403; rat; 1 h)

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

The product is not expected to be hazardous to the environment.

<b>Persistence and degradability</b>	No information available.
<b>Bioaccumulative potential</b>	No information available.
<b>Mobility</b>	No information available.
<b>Other adverse effects</b>	No information available.

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment**

<b>Waste from Residues / Unused Products</b>	Products covered by this MSDS, in their original form, when disposed as waste, are corrosive hazardous waste, D002, according to Federal RCRA regulations (40 CFR 261). Disposal should be in accordance with local, state and federal regulations.
<b>Contaminated packaging</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>California Hazardous Waste Codes (non-household setting)</b>	331

**14. TRANSPORT INFORMATION**

**DOT**

<b>UN no</b>	UN3266
<b>UN Proper shipping name</b>	Corrosive liquid, basic, inorganic, n.o.s.
<b>Description</b>	UN3266, Corrosive liquid, basic, inorganic, n.o.s. (Sodium hydroxide, Sodium hypochlorite), 8, III, , Ltd. Qty.
<b>Hazard Class</b>	8
<b>Packing Group</b>	III
<b>Emergency Response Guide Number</b>	154

**IMDG**

<b>UN Number</b>	UN3266
<b>UN Proper shipping name</b>	Corrosive liquid, basic, inorganic, n.o.s.
<b>Description</b>	UN3266, Corrosive liquid, basic, inorganic, n.o.s. (Sodium hydroxide, Sodium hypochlorite), 8, III , Ltd. Qty.
<b>Transport hazard class(es)</b>	8
<b>Packing Group</b>	III
<b>EmS-No</b>	F-A, S-B

**IATA**

<b>UN no</b>	UN3266
<b>UN Proper shipping name</b>	Corrosive liquid, basic, inorganic, n.o.s.
<b>Description</b>	UN3266, Corrosive liquid, basic, inorganic, n.o.s. (Sodium hydroxide, Sodium hypochlorite), 8, III , Ltd. Qty.
<b>Hazard Class</b>	8
<b>Packing Group</b>	III
<b>ERG Code</b>	8L

**15. REGULATORY INFORMATION**

**U.S. Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	CAS-No	Hazardous Substances RQs	Extremely Hazardous Substances RQs	CERCLA/SARA 302 TPQ
Sodium hydroxide	1310-73-2	1000 lb	-	
Sodium hypochlorite	7681-52-9	100 lb	-	

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

**Clean Water Act**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CAS-No	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium hydroxide	1310-73-2	1000 lb	-	-	X
Sodium hypochlorite	7681-52-9	100 lb	-	-	X
Hydrozincite (Zn5(CO3)2(OH)6)	12122-17-7	-	X	-	-

**California Proposition 65**

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

**U.S. State Regulations (RTK)**

Chemical Name	CAS-No	New Jersey
Sodium hydroxide	1310-73-2	X
Sodium hypochlorite	7681-52-9	X

Chemical Name	CAS-No	Massachusetts
Sulfuric acid sodium salt (1:2)	7757-82-6	X
Sodium hydroxide	1310-73-2	X
Sodium hypochlorite	7681-52-9	X

Chemical Name	CAS-No	Pennsylvania
Sulfuric acid sodium salt (1:2)	7757-82-6	X
Sodium hydroxide	1310-73-2	X
Sodium hypochlorite	7681-52-9	X
Hydrozincite (Zn5(CO3)2(OH)6)	12122-17-7	X

Chemical Name	CAS-No	Rhode Island
Sodium hydroxide	1310-73-2	X
Sodium hypochlorite	7681-52-9	X

**International Inventories**

**United States**

All intentionally-added components of this product(s) are listed on the US TSCA Inventory.

**Canada**

This product is in compliance with CEPA for import by P&G.

**Legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**CEPA** - Canadian Environmental Protection Act

**16. OTHER INFORMATION**

**Issuing Date:** 27-Mar-2015

**Revision Date:** 27-Mar-2015

**Disclaimer**

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

**End of SDS**