



HEALTHCARE BEYOND BURN CARE™

# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: US OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canada WHMIS 2015 which includes the amended Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR)

Issuing Date 04-Feb-2019

Revision date 04-Feb-2019

Revision Number 1

## 1. Identification

### Product identifier

**Product Name** Triple Antibiotic First Aid Ointment

### Other means of identification

**Product Code(s)** TA.50.121

**Synonyms** Bacitracin zinc-neomycin sulfate- polymyxin B sulfate ointment

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

**Recommended use** To help prevent infection in minor cuts, scrapes, burns

**Restrictions on use** For external use only.

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

#### Manufacturer Address

WaterJel Technologies®  
50 Broad Street  
Carlstadt, NJ 07072  
P: 201-507-8300

### Emergency telephone number

**Emergency Telephone** 800-275-3433 (8:00 am-5:00 pm EST Weekdays)

## 2. Hazard(s) identification

### Classification

Not classified.

### Label elements

#### **Hazard statements**

Not classified.

### Other information

No information available.

### 3. Composition/information on ingredients

#### Substance

Not applicable.

#### Mixture

#### Synonyms

Bacitracin zinc-neomycin sulfate- polymyxin B sulfate ointment.

Chemical name	CAS No	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Petrolatum (USP Grade)	8009-03-8	80-100	-	-

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

### 4. First-aid measures

#### Description of first aid measures

<b>Inhalation</b>	Remove to fresh air.
<b>Eye contact</b>	Rinse thoroughly with plenty of water, also under the eyelids.
<b>Skin contact</b>	Wash skin with soap and water.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water.

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

**Symptoms** May cause skin irritation in susceptible persons. May cause redness and tearing of the eyes.

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

**Note to physicians** 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>	No information available.
<b>Specific hazards arising from the chemical</b>	No information available.
<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** Ensure adequate ventilation.

### 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** 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.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

## 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** No special protective equipment required.

**Hand 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 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

### Information on basic physical and chemical properties

Appearance	Off-white ointment
Physical state	Solid
Color	Off-white
Odor	Characteristic: Slightly fatty odor
Odor threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No data available	None known
Melting point / freezing point	No data available	None known
Boiling point / boiling range	>93 °C / >200 °F	
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 or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Relative density	0.87	@25°C
Water solubility	Insoluble in water	
Solubility(ies)	No data available	None known
Partition coefficient	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

### 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

## 10. Stability and reactivity

Reactivity	No information available.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	None known based on information supplied.
Incompatible materials	None known based on information supplied.
Hazardous decomposition products	None known based on information supplied.

## 11. Toxicological information

**Information on likely routes of exposure**

<b>Inhalation</b>	Specific test data for the substance or mixture is not available. May cause irritation.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available. May cause eye irritation with susceptible persons.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available. May be harmful in contact with skin. Causes mild skin irritation.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available. May cause gastrointestinal discomfort if consumed in large amounts.

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

<b>Symptoms</b>	May cause skin irritation in susceptible persons. May cause redness and tearing of the eyes.
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**Acute toxicity****Numerical measures of toxicity**

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

ATEmix (dermal) 3,640.80 mg/kg

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Petrolatum (USP Grade)		= 3600 mg/kg ( Rabbit )	

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

<b>Skin corrosion/irritation</b>	May cause mild to moderate irritation.
<b>Serious eye damage/eye irritation</b>	May cause mild to moderate irritation.
<b>Respiratory or skin sensitization</b>	Not expected to be sensitizer.
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	No information available.
<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration hazard</b>	No information available.

**12. Ecological information**

<b>Ecotoxicity</b>	The environmental impact of this product has not been fully investigated.
<b>Persistence and degradability</b>	No information available.
<b>Bioaccumulation</b>	No information available.

<b>Mobility in soil</b>	No information available.
<b>Mobility</b>	No information available.
<b>Other adverse effects</b>	No information available.

### 13. Disposal considerations

#### Waste treatment methods

<b>Waste from residues/unused products</b>	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
<b>Contaminated packaging</b>	Do not reuse empty containers.

### 14. Transport information

<b><u>DOT</u></b>	Not regulated
<b><u>TDG</u></b>	Not regulated
<b><u>MEX</u></b>	Not regulated
<b><u>IATA</u></b>	Not regulated
<b><u>IMDG</u></b>	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

<b>TSCA</b>	Contact supplier for inventory compliance status.
<b>DSL/NDSL</b>	Contact supplier for inventory compliance status.
<b>EINECS/ELINCS</b>	Contact supplier for inventory compliance status.
<b>ENCS</b>	Contact supplier for inventory compliance status.
<b>IECSC</b>	Contact supplier for inventory compliance status.
<b>KECL</b>	Contact supplier for inventory compliance status.
<b>PICCS</b>	Contact supplier for inventory compliance status.
<b>AICS</b>	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  
**IECSC** - China Inventory of Existing 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 does not contain any Proposition 65 chemicals.

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

#### **US State Regulations**

Chemical name	New Jersey	Massachusetts	Pennsylvania
Bacitracin zinc 1405-89-6	X	-	X

### U.S. EPA Label Information

**EPA Pesticide Registration Number** Not applicable

## **16. Other information**

<b>NFPA</b>	<b>Health hazards</b> 0	<b>Flammability</b> 0	<b>Instability</b> 0	<b>Physical and chemical properties</b> -
<b>HMIS</b>	<b>Health hazards</b> 0	<b>Flammability</b> 0	<b>Physical hazards</b> 0	<b>Personal protection</b> X

### **Key or legend to abbreviations and acronyms used in the safety data sheet**

#### Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

**Key literature references and sources for data used to compile the SDS**

U.S. Environmental Protection Agency ChemView Database  
European Food Safety Authority (EFSA)  
EPA (Environmental Protection Agency)  
Acute Exposure Guideline Level(s) (AEGl(s))  
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
U.S. Environmental Protection Agency High Production Volume Chemicals  
Food Research Journal  
Hazardous Substance Database  
International Uniform Chemical Information Database (IUCLID)  
Japan GHS Classification  
NIOSH (National Institute for Occupational Safety and Health)  
National Library of Medicine's ChemID Plus (NLM CIP)  
National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
Organization for Economic Co-operation and Development Screening Information Data Set  
RTECS (Registry of Toxic Effects of Chemical Substances)  
World Health Organization

**Issuing Date** 04-Feb-2019

**Revision date** 04-Feb-2019

**Revision Note** 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 Safety Data Sheet**



## SAFETY DATA SHEET



# MED-NAP

### SECTION 1: PRODUCT IDENTIFICATION

**PRODUCT:** BZK Prep Pads and Towelette

**Product Label Name:** BZK Prep Pads and Towelette

**Company Name and Address:** Med Nap, LLC  
301 Marianne Street  
Brooksville, FL 34601

**Emergency Telephone Number:** 352-796-6020

**Recommended use:** First Aid Antiseptic.

### SECTION 2: HAZARDOUS IDENTIFICATION

**Emergency overview:** Contact with liquid may cause eye and skin irritation.

**Potential short-term health effects**

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

**Eyes:** May cause irritation.

**Skin:** In case of skin irritation, discontinue use of the product.

**Inhalation:** Not a normal route of exposure. May cause respiratory tract irritation.

**Ingestion:** Not a normal route of exposure. May cause stomach distress, nausea or vomiting.

**Target organs:** Eyes. Skin.

**Chronic effects:** Prolonged or repeated exposure can cause drying, defatting and dermatitis.

**Signs and symptoms:** Symptoms may include redness, edema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

### SECTION 3: INFORMATION ON INGREDIENTS

Ingredient list	Cas #	%
Benzalkonium Chloride	68424-85-1	0.133%
Methyl chloro isothiazolinone	26172-55-4	0.00115%
Methyl isothiazolinone	2682-20-4	0.00035%
Purified Water	7732-18-5	QS to 100

## SECTION 4: FIRST-AID MEASURES

### First aid procedures

#### Eye contact

Flush with cool water. Remove contact lenses, if applicable, and continue flushing.

Obtain medical attention if irritation persists.

**Skin contact:** In case of skin irritation, discontinue use of product.

**Inhalation:** Not a normal route of exposure. If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

**Ingestion:** Not a normal route of exposure. Do not induce vomiting. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.

**Notes to physician:** Symptoms may be delayed.

**General advice:** If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Keep out of reach of children. Avoid contact with eyes.

## SECTION 5: FIRE-FIGHTING MEASURES

**Flammable properties:** Not flammable by OSHA criteria

### Extinguishing media

**Suitable extinguishing media:** Treat for surrounding material.

**Unsuitable extinguishing media:** Not available

### Protection of firefighters

#### Specific hazards arising from the chemical:

Not available

#### Protective equipment for firefighters:

Firefighters should wear full protective clothing including self contained breathing apparatus.

**Hazardous combustion products:** May include and are not limited to: Oxides of carbon. Hydrogen chloride.

### Explosion data

**Sensitivity to mechanical impact;** Not available

**Sensitivity to static discharge:** Not available

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.

**Methods for containment:** Prevent entry into waterways, sewers, basements or confined areas.

**Methods for cleaning up:** Pick up and discard towel.

## SECTION 7: HANDLING AND STORAGE

**Handling:** Use good industrial hygiene practices in handling this material.

**Storage:** Keep out of reach of children. Store in a closed container away from incompatible materials.

## SECTION 8: EXPOSURE CONTROLS

**Engineering controls:** General ventilation normally adequate.

**Personal protective equipment**

**Eye / face protection:** Follow standard industrial hygiene practices.

**Hand protection** Not required.

**Skin and body protection:** As required by employer code.

**Respiratory protection** Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

**General hygiene considerations:** Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** Liquid saturated on wipe

**Color** clear liquid

**Form** Liquid saturated on wipe.

**Odor** Characteristic

**Odor threshold** Not available

**Physical state** Solid

**pH** Not available

**Melting point** Not available

**Freezing point** Not available

**Boiling point** 101.11 °C (214 °F)

**Flash point** Not available

**Evaporation rate** Not available

**Flammability limits in air, lower, % by volume** Not available

**Flammability limits in air, upper, % by volume** Not applicable

**Vapor pressure** Not available

**Vapor density** Not available

**Specific gravity** Not available

**Octanol/water coefficient** Not available

**Solubility (H<sub>2</sub>O)** Not available

**Auto-ignition temperature** Not available

**VOC (Weight %)** Not available

**Viscosity** Not available

**Percent volatile** Not available

## SECTION 10: STABILITY AND REACTIVITY

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

**Conditions to avoid:** Do not mix with other chemicals.

**Incompatible materials:** Caustics. Acids. Oxidizers.

**Hazardous decomposition products:** May include and are not limited to: Oxides of carbon. Hydrogen chloride.

**Possibility of hazardous reactions:** Hazardous polymerization does not occur.

## SECTION 11: TOXICOLOGICAL INFORMATION

### **Effects of acute exposure**

**Eye:** May cause irritation.

**Skin:** In case of skin irritation, discontinue use of the product.

**Inhalation:** Not a normal route of exposure. May cause respiratory tract irritation.

**Ingestion:** Not a normal route of exposure. May cause stomach distress, nausea or vomiting.

**Sensitization:** Non-hazardous by WHMIS/OSHA criteria.

**Chronic effects:** Non-hazardous by WHMIS/OSHA criteria.

**Carcinogenicity:** Non-hazardous by WHMIS/OSHA criteria.

**Mutagenicity:** Non-hazardous by WHMIS/OSHA criteria.

**Reproductive effects:** Non-hazardous by WHMIS/OSHA criteria.

**Teratogenicity:** Non-hazardous by WHMIS/OSHA criteria.

## SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** Not available

**Environmental effects:** Not available

**Aquatic toxicity:** Not available

**Persistence / degradability:** Not available

**Bioaccumulation / accumulation:** Not available

**Partition coefficient:** Not available

**Mobility in environmental media:** Not available

**Chemical fate information:** Not available

**Other adverse effects:** Not available

## SECTION 13: DISPOSABLE INFORMATION

**Waste codes:** Not available

**Disposal instructions:** Discard after single use.

Review federal, state/provincial, and local government requirements prior to disposal.

Discard with solid waste. Dispose in accordance with all applicable regulations.

**Waste from residues / unused products:** Not available

**Contaminated packaging:** Not available

## SECTION 14: TRANSPORT INFORMATION

U.S. Department of Transportation (DOT) Not regulated as dangerous goods.

Transportation of Dangerous Goods (TDG - Canada) Not regulated as dangerous goods.

## SECTION 15: REGULATORY INFORMATION

**US Federal regulations** This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

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

**Occupational Safety and Health Administration (OSHA):** 29 CFR 1910.1200 No hazardous chemicals

## **SECTION 16: OTHER INFORMATION**

**Issue Date:** 1/1/2018

**Disclaimer:**

The information provided in this SDS is correct and is to the best of our knowledge, at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text. All Med Nap Products are Latex Free.



HEALTHCARE BEYOND BURN CARE™

# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: US OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canada WHMIS 2015 which includes the amended Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR)

Issuing Date 22-Jan-2020

Revision Date 22-Jan-2020

Revision Number 1

## 1. Identification

### Product identifier

**Product Name** Sterile Gel-Soaked Burn Dressing, Burn Blankets and Gel

### Other means of identification

**Product Code(s)** BDGEL.00.121

**Synonyms** Sterile Gel-Soaked Burn Dressing, Burn Blankets and Gel

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

**Recommended use** Emergency first aid for burns

**Restrictions on use** For external use only.

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

#### Manufacturer Address

WaterJel ® Technologies  
50 Broad Street  
Carlstadt, NJ 07072  
P: 201-507-8300

### Emergency telephone number

**Emergency Telephone** 800-275-3433 (8:00 am-5:00 pm EST Weekdays)

## 2. Hazard(s) identification

### Classification

### Label elements

#### **Hazard statements**

Not classified.

### Other information

No information available.

## 3. Composition/information on ingredients

**Substance**

Not applicable.

**Mixture****Synonyms****Sterile Gel-Soaked Burn Dressing, Burn Blankets and Gel**

Chemical name	CAS No.	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Phenoxyethanol	122-99-6	0.5-1.5	-	-
Glycerin	56-81-5	0.5-1.5	-	-
Sodium hydroxide	1310-73-2	0.5-1.5	-	-

**4. First-aid measures****Description of first aid measures**

<b>Inhalation</b>	Remove to fresh air.
<b>Eye contact</b>	Rinse thoroughly with plenty of water, also under the eyelids.
<b>Skin contact</b>	Wash skin with soap and water.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water.

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

**Symptoms** None known.

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

**Note to physicians** Treat symptomatically.

**5. Fire-fighting measures**

**Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** No information available.

**Specific hazards arising from the chemical** No information available.

**Explosion data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

**Special protective equipment for fire-fighters** 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** Ensure adequate ventilation.

### 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** 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.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

## 8. Exposure controls/personal protection

### Control parameters

#### Exposure Limits

Chemical name	ACGIH TLV	OSHA PEL		NIOSH
Glycerin 56-81-5	-	TWA: 15 mg/m <sup>3</sup> mist, total particulate TWA: 5 mg/m <sup>3</sup> mist, respirable fraction (vacated) TWA: 10 mg/m <sup>3</sup> mist, total particulate (vacated) TWA: 5 mg/m <sup>3</sup> mist, respirable fraction		-
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>		IDLH: 10 mg/m <sup>3</sup> Ceiling: 2 mg/m <sup>3</sup>
Chemical name	Alberta	British Columbia	Ontario	Quebec
Phenoxyethanol 122-99-6	-	-	TWA: 25 ppm TWA: 141 mg/m <sup>3</sup> Skin	-
Glycerin 56-81-5	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> TWA: 3 mg/m <sup>3</sup>	-	TWA: 10 mg/m <sup>3</sup>
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>

### Appropriate engineering controls

**Engineering controls** Showers  
Eyewash stations



Ventilation systems.

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

<b>Eye/face protection</b>	No special protective equipment required.
<b>Hand protection</b>	No special protective equipment required.
<b>Skin and body protection</b>	No special protective equipment required.
<b>Respiratory protection</b>	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice.

## **9. Physical and chemical properties**

### **Information on basic physical and chemical properties**

<b>Appearance</b>	Clear to Opaque, colorless to yellow liquid embedded in a white pad
<b>Physical state</b>	Liquid
<b>Color</b>	Clear, Opaque, Colorless to yellow
<b>Odor</b>	Characteristic
<b>Odor threshold</b>	No information available

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>
<b>pH</b>	6.0 - 7.7	For the gel
<b>Melting point / freezing point</b>	No data available	None known
<b>Boiling point / boiling range</b>	No data available	None known
<b>Flash point</b>	No data available	None known
<b>Evaporation rate</b>	No data available	None known
<b>Flammability (solid, gas)</b>	No data available	None known
<b>Flammability Limit in Air</b>		None known
<b>Upper flammability or explosive limits</b>	No data available	
<b>Lower flammability or explosive limits</b>	No data available	
<b>Vapor pressure</b>	No data available	None known
<b>Vapor density</b>	No data available	None known
<b>Relative density</b>	0.997	@25°C. For the gel
<b>Water solubility</b>	Soluble in water	
<b>Solubility(ies)</b>	No data available	None known
<b>Partition coefficient</b>	No data available	None known
<b>Autoignition temperature</b>	No data available	None known
<b>Decomposition temperature</b>	No data available	None known
<b>Kinematic viscosity</b>	No data available	None known
<b>Dynamic viscosity</b>	4,500 - 23,000 cP	Brookfield; Spindle #4; 12 RPM. For the gel
<b><u>Other information</u></b>		
<b>Explosive properties</b>	No information available.	
<b>Oxidizing properties</b>	No information available.	
<b>Softening point</b>	No information available	
<b>Molecular weight</b>	No information available	
<b>VOC Content (%)</b>	No information available	
<b>Liquid Density</b>	No information available	
<b>Bulk density</b>	No information available	

## **10. Stability and reactivity**

<b>Reactivity</b>	None under normal use conditions.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	None under normal processing.
<b>Conditions to avoid</b>	None known based on information supplied.
<b>Incompatible materials</b>	None known based on information supplied.
<b>Hazardous decomposition products</b>	None known based on information supplied.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Specific test data for the substance or mixture is not available.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available.

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

**Symptoms** None known.

### Acute toxicity

#### Numerical measures of toxicity

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

**ATEmix (oral)** 50,000.00 mg/kg

#### Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Phenoxyethanol	= 1850 mg/kg ( Rat )	= 5 mL/kg ( Rabbit )	> 0.057 mg/L ( Rat ) 8 h
Glycerin	= 12600 mg/kg ( Rat )	> 10 g/kg ( Rabbit )	> 570 mg/m <sup>3</sup> ( Rat ) 1 h
Sodium hydroxide	= 325 mg/kg ( Rat )	= 1350 mg/kg ( Rabbit )	-

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

<b>Skin corrosion/irritation</b>	No information available.
<b>Serious eye damage/eye irritation</b>	No information available.
<b>Respiratory or skin sensitization</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.

<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration hazard</b>	No information available.

## 12. Ecological information

### Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Phenoxyethanol 122-99-6	EC50: >500mg/L (72h, Desmodemus subspicatus)	LC50: =366mg/L (96h, Pimephales promelas) LC50: 337 - 352mg/L (96h, Pimephales promelas)	-	EC50: >500mg/L (48h, Daphnia magna)
Glycerin 56-81-5	-	LC50: 51 - 57mL/L (96h, Oncorhynchus mykiss)	-	-
Sodium hydroxide 1310-73-2	-	LC50: =45.4mg/L (96h, Oncorhynchus mykiss)	-	-

**Persistence and degradability** No information available.

**Bioaccumulation** No information available.

### Component Information

Chemical name	Partition coefficient
Phenoxyethanol 122-99-6	1.13
Glycerin 56-81-5	-1.76

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

Chemical name	California Hazardous Waste Status
Sodium hydroxide 1310-73-2	Toxic Corrosive

**14. Transport information**

<b>DOT</b>	Not regulated
<b>TDG</b>	Not regulated
<b>MEX</b>	Not regulated
<b>IATA</b>	Not regulated
<b>IMDG</b>	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.

**Legend:**

**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 contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical name	SARA 313 - Threshold Values %
Phenoxyethanol - 122-99-6	1.0

**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.

**CWA (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	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium hydroxide 1310-73-2	1000 lb	-	-	X

**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	Hazardous Substances RQs	Extremely Hazardous	Reportable Quantity (RQ)
---------------	--------------------------	---------------------	--------------------------

		Substances RQs	
Sodium hydroxide 1310-73-2	1000 lb	-	RQ 1000 lb final RQ RQ 454 kg final RQ

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

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

Chemical name	New Jersey	Massachusetts	Pennsylvania
Glycerin 56-81-5	X	X	X
Phenoxyethanol 122-99-6	X	-	X
Sodium hydroxide 1310-73-2	X	X	X

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. Other information**

<b><u>NFPA</u></b>	Health hazards 0	Flammability 0	Instability 0	Physical and chemical properties - Personal protection X
<b><u>HMIS</u></b>	Health hazards 0	Flammability 0	Physical hazards 0	

**Key or legend to abbreviations and acronyms used in the safety data sheet****Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

**Key literature references and sources for data used to compile the SDS**

U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 EPA (Environmental Protection Agency)  
 Acute Exposure Guideline Level(s) (AEGL(s))  
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
 U.S. Environmental Protection Agency High Production Volume Chemicals  
 Food Research Journal  
 Hazardous Substance Database  
 International Uniform Chemical Information Database (IUCLID)  
 Japan GHS Classification  
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
 NIOSH (National Institute for Occupational Safety and Health)  
 National Library of Medicine's ChemID Plus (NLM CIP)  
 National Toxicology Program (NTP)  
 New Zealand's Chemical Classification and Information Database (CCID)  
 Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
 Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
 Organization for Economic Co-operation and Development Screening Information Data Set  
 World Health Organization

Issuing Date 22-Jan-2020

Revision Date 22-Jan-2020

Revision Note 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 Safety Data Sheet**

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## SAFETY DATA SHEET

### SECTION 1. IDENTIFICATION

Product identifier used on the label

: **Safetec® Burn Spray**

Product Code(s) : Bottles: 1oz, 2oz, 3oz and 4oz

Recommended use of the chemical and restrictions on use

: Personal Care Applications  
Restriction on use: None known

Chemical family : Mixture.

Name, address, and telephone number of the supplier:

**Safetec of America, Inc.**

887 Kensington Avenue  
Buffalo, NY, USA  
14215

Supplier's Telephone # : 716-895-1822

24 Hr. Emergency Tel # : 1-800-255-3924

Name, address, and telephone number of the manufacturer:

Refer to supplier

### SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

Considered not hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label elements

Signal Word

None

Hazard statement(s)

Not Hazardous

Precautionary statement(s)

None

Other hazards

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

<u>Chemical name</u>	<u>Common name and synonyms</u>	<u>CAS #</u>	<u>Concentration (% by weight)</u>
Propylene glycol	Propane-1,2-diol 1,2-Dihydroxypropane	57-55-6	1.0 - 3.0
Acetamide, 2-(diethylamino)-N-(2,6-dimethylphenyl)-, monohydrochloride, monohydrate	Lidocaine HCl	6108-05-0	1.0 - 3.0

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## SAFETY DATA SHEET

### SECTION 4. FIRST-AID MEASURES

#### Description of first aid measures

- Ingestion* : Harmful effects are not expected under normal usage.  
*Inhalation* : Harmful effects are not expected under normal usage.  
*Skin contact* : Harmful effects are not expected under normal usage. If skin irritation or rash occurs: Get medical advice/attention.  
*Eye contact* : If in eyes: Rinse cautiously with water for several minutes. If eye irritation persists: get medical advice/attention.

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

- : None expected, when used as intended.

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

- : Treat symptomatically.

### SECTION 5. FIRE-FIGHTING MEASURES

#### Extinguishing media

- Suitable extinguishing media* : Dry chemicals. Foam. Carbon dioxide (CO<sub>2</sub>). Water or fog spray.  
*Unsuitable extinguishing media* : Do not use water jet as extinguisher, as this will spread the fire.

#### Special hazards arising from the substance or mixture / Conditions of flammability

- : Burning may produce irritating, toxic and obnoxious fumes.

#### Flammability classification (OSHA 29 CFR 1910.106)

- : Not flammable.

#### Hazardous combustion products

- : Carbon oxides.; Nitrogen oxides (NO<sub>x</sub>)

#### Special protective equipment and precautions for firefighters

- Protective equipment for fire-fighters* : Firefighters should wear an approved full-face, self-contained breathing apparatus (SCBA) and impervious clothing.  
*Special fire-fighting procedures* : Cool containers exposed to heat with water spray and remove container, if no risk is involved.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

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

- : Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate personal protective equipment.

#### Environmental precautions

- : Avoid release to the environment.

#### Methods and material for containment and cleaning up

- : Wipe up with absorbent material (e.g. cloth, fleece).

#### Special spill response procedures

- : Not applicable.

### SECTION 7. HANDLING AND STORAGE

#### Precautions for safe handling

- : Do not ingest or swallow. Observe good industrial hygiene practices.

#### Conditions for safe storage

- : Keep containers closed when not in use.

#### Incompatible materials

- : Strong oxidizing agents. Acids.



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## SAFETY DATA SHEET

### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Exposure Limits:</u>				
<u>Chemical Name</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
Propylene glycol	10 mg/m <sup>3</sup> (AIHA WEEL)	N/Av	N/Av	N/Av
Acetamide, 2-(diethylamino)-N-(2,6-dimethylphenyl)-, monohydrochloride, monohydrate	N/Av	N/Av	N/Av	N/Av

#### Exposure controls

##### Ventilation and engineering measures

: None required under normal conditions.

##### Respiratory protection

: None required under normal conditions.

##### Skin protection

: None required under normal conditions.

##### Eye / face protection

: None required under normal conditions.

**Other protective equipment** : None required when used as intended.

##### General hygiene considerations

: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** : Clear colourless liquid.

**Odour** : Not available.

**Odour threshold** : Not available.

**pH** : 6.5

**Melting/Freezing point** : Not available.

##### Initial boiling point and boiling range

: Not available.

**Flash point** : Not flammable.

**Flashpoint (Method)** : Closed cup

**Evaporation rate (BuAe = 1)** : Not available.

**Flammability (solid, gas)** : Not applicable.

**Lower flammable limit (% by vol.)**

: 3.3%

**Upper flammable limit (% by vol.)**

: 19%

**Oxidizing properties** : Not applicable

**Explosive properties** : Not explosive

**Vapour pressure** : Not available.

**Vapour density** : Not available.

**Relative density / Specific gravity**

: 0.99

**Solubility in water** : Complete

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**Other solubility(ies)** : Not available.  
**Partition coefficient: n-octanol/water or Coefficient of water/oil distribution**  
: Not available.  
**Auto-ignition temperature** : Not available.  
**Decomposition temperature** : Not available.  
**Viscosity** : Not available.  
**Volatiles (% by weight)** : Not available.  
**Volatile organic Compounds (VOC's)**  
: Not available.  
**Absolute pressure of container**  
: Not available.  
**Flame projection length** : Not available.  
**Other physical/chemical comments**  
: None known or reported by the manufacturer.

**SECTION 10. STABILITY AND REACTIVITY**

**Reactivity** : The product is stable and non-reactive under normal conditions of use, storage and transport.  
**Chemical stability** : Material is stable under normal conditions.  
**Possibility of hazardous reactions**  
: Hazardous polymerization does not occur.  
**Conditions to avoid** : Keep away from heat, sparks and open flames.  
**Incompatible materials** : See Section 7 (Handling and Storage) for further details.  
**Hazardous decomposition products**  
: See Section 5 (Fire Fighting Measures).

**SECTION 11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure:**

**Routes of entry inhalation** : YES  
**Routes of entry skin & eye** : YES  
**Routes of entry Ingestion** : YES  
**Routes of exposure skin absorption**  
: YES

**Potential Health Effects:**

**Signs and symptoms of short-term (acute) exposure**

*Sign and symptoms Inhalation*

: None expected, when used as intended.

*Sign and symptoms ingestion*

: None expected, when used as intended.

*Sign and symptoms skin*

: None expected, when used as intended.

*Sign and symptoms eyes*

: None expected, when used as intended.

**Potential Chronic Health Effects**

: None expected, when used as intended.

**Mutagenicity** : Not expected to be mutagenic.

**Carcinogenicity** : This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

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### Reproductive effects & Teratogenicity

: This product is not expected to cause reproductive or developmental effects.

**Sensitization to material** : Not expected to be a skin or respiratory sensitizer.

**Specific target organ effects** : None expected, when used as intended.

### Medical conditions aggravated by overexposure

: None reported by the manufacturer.

**Synergistic materials** : None reported by the manufacturer.

**Toxicological data** : See below for individual ingredient acute toxicity data.

<u>Chemical name</u>	<u>LC<sub>50</sub>(4hr)</u> <u>inh. rat</u>	<u>LD<sub>50</sub></u>	
		<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Propylene glycol	> 158 mg/L (aerosol)	21 800 mg/kg	20 800 mg/kg
Acetamide, 2-(diethylamino)-N-(2,6-dimethylphenyl)-, monohydrochloride, monohydrate	N/Av	292mg/kg (mouse)	N/Av

### Other important toxicological hazards

: None known or reported by the manufacturer.

## SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity** : The product is not classified as environmentally hazardous. Avoid release to the environment.

### Ecotoxicity data:

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Fish</u>		
		<u>LC50 / 96h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
Propylene glycol	57-55-6	46 500 mg/L (Fathead minnow)	N/Av	None.

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Daphnia</u>		
		<u>EC50 / 48h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
Propylene glycol	57-55-6	43 500 mg/L (Daphnia magna)	N/Av	None.

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Algae</u>		
		<u>EC50 / 96h or 72h</u>	<u>NOEC / 96h or 72h</u>	<u>M Factor</u>
Propylene glycol	57-55-6	19 000 mg/L/96hr (Green algae)	N/Av	None.

### Persistence and degradability

: Not available.

### Bioaccumulation potential

: Not available.

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<u>Components</u>	<u>Partition coefficient n-octanol/water (log Kow)</u>	<u>Bioconcentration factor (BCF)</u>
Propylene glycol (CAS 57-55-6)	- 1.41 to - 0.3	<1
Acetamide, 2-(diethylamino)-N-(2,6-dimethylphenyl)-, monohydrochloride, monohydrate (CAS 6108-05-0)	N/Av	N/Av

**Mobility in soil** : Not available.

**Other Adverse Environmental effects**

: None known or reported by the manufacturer.





### SECTION 13. DISPOSAL CONSIDERATIONS

**Handling for Disposal** : Dispose of in accordance with local regulations.

**Methods of Disposal** : Dispose of in accordance with local regulations.

**RCRA** : Not applicable.

### SECTION 14. TRANSPORTATION INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
49CFR/DOT	None.	Not regulated.	not regulated	none	
<b>49CFR/DOT Additional information</b>	None.				
TDG	None.	Not regulated.	not regulated	none	
<b>TDG Additional information</b>	None.				
ICAO/IATA	None.	Not regulated.	not regulated	none	
<b>ICAO/IATA Additional information</b>	None.				
IMDG	None.	Not regulated.	not regulated	none	
<b>IMDG Additional information</b>	None.				

**Special precautions for user** : Keep away from heat and flame.

**Environmental hazards** : This product does not meet the criteria for an environmentally hazardous mixture, according to the IMDG Code. See Section 12 for more environmental information.

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

: Not established.

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### SECTION 15 - REGULATORY INFORMATION

#### US Federal Information:

Components listed below are present on the following U.S. Federal chemical lists:

<u>Ingredients</u>	CAS #	TSCA Inventory	CERCLA Reportable Quantity(RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	
					Toxic Chemical	de minimus Concentration
Propylene glycol	57-55-6	Yes	None.	None.	No	N/Ap
Acetamide, 2-(diethylamino)-N-(2,6-dimethylphenyl)-, monohydrochloride, monohydrate	6108-05-0	NL	N/Ap	N/Av	No	N/Ap

SARA TITLE III: Sec. 313, Toxic Chemicals Notification, 40 CFR 372: None.

#### US State Right to Know Laws:

The following chemicals are specifically listed by individual States:

<u>Ingredients</u>	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Propylene glycol	57-55-6	No	N/Ap	No	No	Yes	Yes	Yes	Yes
Acetamide, 2-(diethylamino)-N-(2,6-dimethylphenyl)-, monohydrochloride, monohydrate	6108-05-0	No	N/Ap	No	No	No	No	No	No

#### Canadian Information:

All components of this product are on the Canadian DSL list.

WHMIS Classification: See Section 2.

#### International Information:

Components listed below are present on the following International Inventory list:

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<u>Ingredients</u>	CAS #	European EINECS	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
Propylene glycol	57-55-6	200-338-0	Present	Present	(2)-234	KE-29267	Present	May be used as a single component chemical under an appropriate group standard.
Acetamide, 2-(diethylamino)-N-(2,6-dimethylphenyl)-, monohydrochloride, monohydrate	6108-05-0	N/Av	Present	N/Av	N/Av	N/Av	N/Av	HSR003752

### SECTION 16. OTHER INFORMATION

**Legend**

: ACGIH: American Conference of Governmental Industrial Hygienists  
 CA: California  
 CAS: Chemical Abstract Services  
 CEPA: Canadian Environmental Protection Act  
 CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980  
 CFR: Code of Federal Regulations  
 CPR: Controlled Products Regulation  
 CSA: Canadian Standards Association  
 DOT: Department of Transportation  
 DSL: Domestic Substances List  
 EPA: Environmental Protection Agency  
 HMIS: Hazardous Materials Identification System  
 HPA: Hazardous Products Act  
 HSDB: Hazardous Substances Data Bank  
 IARC: International Agency for Research on Cancer  
 IATA: International Air Transport Association  
 ICAO: International Civil Aviation Organisation  
 IMDG: International Maritime Dangerous Goods  
 Inh: Inhalation  
 LC: Lethal Concentration  
 LD: Lethal Dose  
 MA: Massachusetts  
 MN: Minnesota  
 N/Av: Not Applicable  
 N/Av: Not Available  
 NFPA: National Fire Protection Association  
 NIOSH: National Institute of Occupational Safety and Health  
 NJ: New Jersey  
 NOEC: No observable effect concentration  
 NTP: National Toxicology Program  
 OECD: Organisation for Economic Co-operation and Development  
 OEL: National occupational exposure limits  
 OSHA: Occupational Safety and Health Administration  
 PA: Pennsylvania  
 PEL: Permissible exposure limit  
 PPE: Personal Protective Equipment  
 RCRA: Resource Conservation and Recovery Act  
 RI: Rhode Island  
 RQ: Reportable Quantity  
 RTECS: Registry of Toxic Effects of Chemical Substances  
 SARA: Superfund Amendments and Reauthorization Act

**Safetec® Burn Spray**

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## SAFETY DATA SHEET

SDS: Safety Data Sheet  
 STEL: Short Term Exposure Limit  
 TDG: Canadian Transportation of Dangerous Goods Act & Regulations  
 TLV: Threshold Limit Values  
 TWA: Time Weighted Average  
 WEL: Workplace Exposure Limit  
 WHMIS: Workplace Hazardous Materials Identification System

**References**

- : 1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices for 2016
- 2. International Agency for Research on Cancer Monographs, searched 2017
- 3. Canadian Centre for Occupational Health and Safety, CCIInfoWeb databases, 2017(Chempendium, HSDB and RTECs).
- 4. Material Safety Data Sheets from manufacturer.
- 5. US EPA Title III List of Lists - 2017 version.
- 6. California Proposition 65 List - 2017 version.
- 7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal,2017.

**Preparation Date (mm/dd/yyyy)**

: 01/21/2020

**Other special considerations for handling**

: Provide adequate information, instruction and training for operators.

<p><b><u>Prepared for:</u></b>          Safetec of America, Inc.          887 Kensington Avenue          Buffalo, NY 14215          Telephone: 1-716-895-1822          www.safetec.com</p>	
<p><b><u>Prepared by:</u></b>          ICC The Compliance Center Inc.          Telephone: (888) 442-9628 (U.S.): (888) 977-4834 (Canada)  <a href="http://www.thecompliancecenter.com">http://www.thecompliancecenter.com</a></p>	

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**END OF DOCUMENT**



## Safety Data Sheet (SDS)

No.: SP18030303

Date: 2018-03-29

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Name: Instant cold pack

# SAFETY DATA SHEETS For Instant cold pack

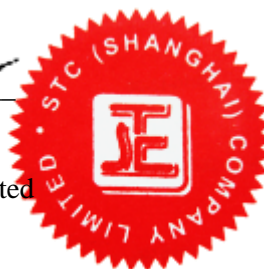
Samples Name: Instant cold pack

**Client Name:** Rapid Aid Corp.

**Client Address:** 4120A Sladeview Crescent, Mississauga Ontario, Canada L5L 5Z3

A handwritten signature in black ink that reads "Owen Huang".

HUANG Qinglai, Owen  
For and on behalf of  
STC(Shanghai) Company Limited



### STC (Shanghai) Company Limited

No.130, Huashen Road, Waigaoqiao Free Trade Zone, Shanghai, China (Zip code: 200131)

Tel: (86 21) 52198248 Fax: (86 21) 52198249 Homepage:www.shstc.org Email:shstc@shstc.org

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## Safety Data Sheet (SDS)

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### Safety Data Sheet(SDS)

Complies with 91/155/EEC, 1907/2006 (REACH) and amendments, OSHA's Hazard Communication Standard, 29 CFR 1910.1200; and the requirements of the U.S. Department of Labor Occupational Safety & Health Administration.

#### **Regulatory Status:**

This preparation is not classified as dangerous according to U.S. OSHA 29 CFR 1910.1200; E.C. Directive 1999/45/EC; Canadian R.S. 1985, c. H-3; U.K. CHIP 2002 No. 1689; and/or U.N. GHS ST/SG/AC 10/30.

None of the components present in this preparation at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

### **SECTION 1: PRODUCT IDENTIFICATION**

#### **1.1 Product identifier:**

Instant cold pack

#### **1.2 Recommended use and restrictions on use:**

Recommended use:

Cold application for cold therapy

#### **1.3 Supplier's details:**

Manufacturer: Rapid Aid Corp.

Address: 4120A Sladeview Crescent, Mississauga Ontario, Canada L5L 5Z3

Telephone: 905 820 4788

### **SECTION 2: HAZARD IDENTIFICATION**

#### **CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:**

The product is not classified as dangerous according to U.S. OSHA 29 CFR 1910.1200; E.C. Directive 1999/45/EC; Canadian R.S. 1985, c. H-3; U.K. CHIP 2002 No. 1689; and/or U.N. GHS ST/SG/AC 10/30.

**GHS LABEL ELEMENTS:** The substance is classified and labeled according to the Globally Harmonized System (GHS).

#### **HAZARD PICTOGRAMS & SIGNAL WORD**

This product is not a hazardous article and need not be labelled

#### **HAZARD-DETERMINING COMPONENTS OF LABELING:**

None

#### **HAZARD STATEMENTS:**

None

#### **PRECAUTIONARY STATEMENTS:**

##### **Prevention**

None

##### **Response**

None

##### **Storage**

None

##### **Disposal**

None.

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**CLASSIFICATION SYSTEM: NFPA DEFINITIONS: 0-LEAST, 1-SLIGHT, 2-MODERATE, 3-HIGH, 4-EXTREEM**

NFPA RATING DIAMOND (SCALE 0-4):

HEALTH=2

FIRE=0

REACTIVITY=0

**HMIS-RATINGS (SCALE 0-4):**

**HEALTH** : 2

**FIRE** : 0

**REACTIVITY** : 0

### SECTION 3: COMPOSITION INFORMATION

**COMPOSITION:** *Mixture consisting of the following components*

IUPAC	Concentration (weight percent, %)	MOLECULAR FORMULA	IDENTIFIERS
Water	40-60	H <sub>2</sub> O	CAS: 7732-18-5
Urea	40-60	CH <sub>4</sub> N <sub>2</sub> O	CAS: 57-13-6

### SECTION 4: FIRST AID MEASURES

#### DESCRIPTION OF FIRST AID MEASURES

**GENERAL INFORMATION:** If medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.

**PRIMARY TOUTES OF ENTRY:** Eye and skin contact; ingestion; inhalation.

**AFTER INHALATION:** Move victim into fresh air. If breathing is difficult, give oxygen. Do not use mouth to mouth resuscitation if victim ingested or inhaled the substance.

**AFTER SKIN CONTACT:** Take off contaminated clothing and shoes. Wash off with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.

**AFTER EYE CONTACT:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.

**AFTER SWALLOWING:** Rinse mouth with plenty of water , Make victim drink plenty of water. Do not induce vomiting.

#### MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

No information available

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### SECTION 5: FIRE & EXPLOSION HAZARD DATA

**GENERAL INFORMATION:** Non flammable liquid

**FLASH POINT:** No information available

**AUTOIGNITION TEMPERATURE:** No information available

**EXTINGUISHING MEDIA:** Dry chemical, carbon dioxide, alcohol-resistant foam

**SPECIAL FIRE FIGHTING PROCEDURES:** NONE

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Combustion of vapor and liquid may produce carbon monoxide, carbon dioxide and other hazardous gases.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide, nitrogen oxide

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

- 1、 Remove all sources of ignition. Ensure adequate ventilation. Take precautionary measures against static discharges.
- 2、 Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Use personal protective equipment. Avoid breathing vapors and contacting with skin and eyes.
- 3、 Wear protective clothing, gloves, safety glasses and dust respirator.

#### SPILL AND LEAK PROCEDURES:

- 1、 Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.
- 2、 Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a spill by bunding.
- 3、 Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

#### ENVIRONMENTAL PRECAUTIONS:

- 1、 Prevent further leakage or spillage if safe to do so.
- 2、 Do not let product enter drains.

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### SECTION 7: HANDLING & STORAGE

#### PRECAUTIONS FOR SAFE HANDLING & STORAGE:

##### Protective measures

Handling is performed in a well ventilated place.

Wear suitable protective equipment.

Avoid contact with skin and eyes. Avoid inhalation of vapors or mist.

##### Measures to prevent fire

Keep away from heat/sparks/open flames/ hot surfaces.

Take precautionary measures against static discharges.

##### Measures to prevent aerosol and dust generation

Not applicable

#### OTHER PRECAUTIONS:

Wash hands and face after using of the substances

Replace the contaminated clothing immediately.

In addition to use mentioned in the first parts , unforeseen other specific end uses

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**RESPIRATORY PROTECTION:** Use appropriate respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. Recommended Filter type: low boiling organic solvent, Type AX, Brown, conforming to EN371.

**EYE PROTECTION:** Tightly fitting safety goggles (approved by EN 166(EU) or NIOSH (US)).

**SKIN PROTECTION:** Wear protective clothing.

**ENGINEERING CONTROLS:** Ensure adequate ventilation, especially in confined areas.  
Ensure that eyewash stations and safety showers are close to the workstation location.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** None

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### SECTION 9: PHYSICAL/CHEMICAL CHARACTERISTICS

<b>pH:</b>	Not applicable
<b>Boiling Point:</b>	No information available
<b>Freezing Point:</b>	No information available
<b>Specific Gravity (H<sub>2</sub>O = 1):</b>	No information available
<b>Vapor Pressure (mm Hg):</b>	No information available
<b>Vapor Density (AIR = 1):</b>	No information available
<b>Evaporation Rate (Butyl Acetate = 1):</b>	No information available
<b>Solubility in Water:</b>	Soluble in water
<b>Appearance and Odor:</b>	Granules and liquid

### SECTION 10: STABILITY AND REACTIVITY

**STABILITY:** Stable under proper operation and storage conditions

**CONDITIONS TO AVOID:** Melts and decomposes when strongly heated

**INCOMPATIBILITY (MATERIAL TO AVOID):** Strong base , Strong acid

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Carbon monoxide, nitrogen oxide

**HAZARDOUS POLYMERIZATION:** No polymerization

### SECTION 11: TOXICOLOGICAL INFORMATION

**PRECAUTIONARY STATEMENTS:** If medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.

#### **POTENTIAL HEALTH EFFECTS:**

INHALATION	No information available.
EYE	No information available.
SKIN	No information available.
INGESTION	No information available.
TARGET ORGANS	No information available.

**PRIMARY ROUTES OF EXPOSURE** Percutaneous、Inhalation

**POTENTIAL EFFECTS OF CHRONIC EXPOSURE** No information available.

**IRRITATION/SENSITIZATION** Based on available data, the classification criteria are not met.

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**TERATOGENICITY** Based on available data, the classification criteria are not met.

**MUTAGENICITY** Based on available data, the classification criteria are not met.

**REPRODUCTIVE TOXICITY** Based on available data, the classification criteria are not met.

### SECTION 12: ECOLOGICAL INFORMATION

**ECOTOXICITY:** No information available.

**BIODEGRADABILITY:** No information available.

**BIOACCUMULATION:** No information available.

**MOBILITY:** No information available.

**OTHER ADVERSE EFFECTS:** Urea does not meet the criteria for PBT and vPvB according to Regulation (EC) No 1907/2006, annex XIII.

### SECTION 13: DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:** Before disposal should refer to the relevant national and local laws and regulation.

### SECTION 14: TRANSPORT INFORMATION

#### UN NUMBER

DOT, ADR, IMDG, IATA: Not applicable

#### UN PROPER SHIPPING NAME

DOT: Not applicable

ADR: Not applicable

IMDG, IATA: Not applicable

#### TRANSPORT HAZARD CLASS(ES)

The product is not classified as dangerous according to DOT, ADR, IMDG, IATA

HAZARD LABEL: Not applicable

DOT CLASS : Not applicable

LABEL: Not applicable

ADR CLASS : Not applicable

LABEL: Not applicable

IMDG, IATA CLASS: Not applicable

LABEL: Not applicable

PACKING GROUP: Not applicable

PACKING INSTRUCTION: Not applicable

SPECIAL PROVISIONS: Not applicable

IMDG LIMITED QUANTITY (LQ): Not applicable

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EXCEPTED QUANTITIES (EQ): Not applicable

UN MODEL REGULATION:TDG (18th)

ORM-D: Not applicable

### SECTION 15: REGULATORY INFORMATION

#### US FEDERAL REGULATIONS:

---

TSCA (TOXIC SUBSTANCE CONTROL ACT): Not listed

CERCLA/SARA - HAZARDOUS SUBSTANCES AND THEIR REPORTABLE

QUANTITIES: Not listed

302 EXTREMELY HAZARDOUS SUBSTANCES EPCRA RQS: Not listed

302EXTREMELY HAZARDOUS SUBSTANCES TPQS: Not listed

CERCLA/SARA - 313 - EMISSION REPORTING: Not listed

#### US STATE REGULATIONS:

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CALIFORNIA - 8 CCR SECTION 339 - DIRECTOR'S LIST OF HAZARDOUS

SUBSTANCES: Not listed

#### INTERNATIONAL REGULATIONS:

---

WATER HAZARD CLASS (GERMANY): Not listed

CANADA

DOMESTIC SUBSTANCES LIST (DSL): Not listed

WHMIS - INGREDIENT DISCLOSURE LIST: Not listed

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### SECTION 16: OTHER INFORMATION

**Date of Preparation/Last Revision:** 3/29/18

**FURTHER INFORMATION:** This SDS has been prepared in accordance with: 91/155/EEC, 1907/2006 (REACH) and amendments, OSHA's Hazard Communication Standard, 29 CFR 1910.1200; and the requirements of the U.S. Department of Labor Occupational Safety & Health Administration.

**DISCLAIMER:** The information provided in this Data Safety Sheet has been compiled, in good faith, from our experience and data presented in various technical publications. An SDS for a substance is not primarily intended for use by the general consumer, focusing instead on the hazards of working with the material in an occupational setting. It is believed to be accurate and represents the best information currently available. HOWEVER, STC(Shanghai) Company Limited MAKES NO WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER TYPE, EXPRESSED OR IMPLIED, WITH RESPECT TO PRODUCTS DESCRIBED OR DATA OR INFORMATION PROVIDED, AND WE ASSUME NO LIABILITY RESULTING FROM THE USE OF SUCH PRODUCTS, DATA OR INFORMATION. Users should make their own investigations to determine the suitability of the information for their particular purposes, and the user assumes all risk arising from their use of the material. The user is required to comply with all laws and regulations relating to the purchase, use, storage and disposal of the material, and must be familiar with and follow generally accepted safe handling procedures. In no event shall STC(Shanghai) Company Limited be liable for any claims, losses, or damages of any individual or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if STC(Shanghai) Company Limited has been advised of the possibility of such damages. We reserve the right to update SDS sheets from time to time as new information becomes available. It is the responsibility of the user to verify that they have the latest revision available.

\*\*\*\*\* End of Test Report \*\*\*\*\*

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# SAFETY DATA SHEET

Issuing Date 05-June-2015

Revision Date 12-Dec-2018

Revision Number 1



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

### Product identifier

PHYSICIANS CARE EYEWASH

### Other means of identification

Synonyms None

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

Recommended Use Medicinal products

Uses advised against No information available

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

Supplier Name NIAGARA PHARMACEUTICALS INC.

Supplier Address 60 INNOVATION DRIVE  
FLAMBOROUGH  
ON  
L9H7P3  
CA

Supplier Phone Number Phone:905-690-6277  
Fax:905-690-6281

Supplier Email rjames@niagarapharmaceuticals.com

### Emergency telephone number

Company Emergency Phone Number 905-708-7962

## 2. HAZARDS IDENTIFICATION

### Classification

The Eyewash is an approved drug by the FDA used for cleansing the eye to help irritation or burning by removing loose foreign material. **This drug product is considered exempt from SDS as it does not fall under the definition of "Hazardous product" as per regulations - 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).**



## PHYSICIANS CARE EYEWASH

**GHS Label elements, including precautionary statements****Precautionary Statements - Prevention**

For single use only

**Precautionary Statements - Response**

If concerned: Get medical advice/attention

**Precautionary Statements - Storage**

Store as per product label between 20°C to 25°C(68°F to 77°F)

**Precautionary Statements - Disposal**

Dispose of contents/container in accordance with local regulations

**Hazards not otherwise classified (HNOC)**

Not applicable

**Unknown Toxicity**

0% of the mixture consists of ingredient(s) of unknown toxicity

**Other information**

No information available

**Interactions with Other Chemicals**

No information available.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%	Trade Secret
Boric acid (H3BO3)	10043-35-3	1 - 5	*
Sodium borate	1330-43-4	0.1 - 1	*

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

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

This product is a first aid measure for cleansing the eye to help relieve irritation or burning by removing loose foreign material.

**Skin contact**

None



PHYSICIANS CARE EYEWASH

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**Inhalation** None

**Ingestion** Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person.

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

**Most Important Symptoms and Effects** No information available.

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

**Notes to Physician** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media**

None.

**Unsuitable extinguishing media**

No information available

**Specific hazards arising from the chemical**

None

**Hazardous Combustion Products**

None

**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.

## PHYSICIANS CARE EYEWASH

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** None

### Environmental precautions

**Environmental precautions** Refer to protective measures listed in Sections 7 and 8.

### 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** Soak up with inert absorbent material.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

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

### Conditions for safe storage, including any incompatibilities

**Storage** Store as sealed bottle. Do not use if seal is missing or broken. For single use only. Store as per product label between 20°C to 25°C (68°F to 77°F)

**Incompatible Products** None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Boric acid (H <sub>3</sub> BO <sub>3</sub> ) 10043-35-3	TWA: 2 mg/m <sup>3</sup> inhalable fraction STEL: 6 mg/m <sup>3</sup> inhalable fraction	-	
Sodium borate 1330-43-4	STEL: 6 mg/m <sup>3</sup> inhalable fraction TWA: 2 mg/m <sup>3</sup> inhalable fraction	(vacated) TWA: 10 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup>

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits 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



## PHYSICIANS CARE EYEWASH

962 (11th Cir., 1992)

**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.

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

<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>
--

**Physical and Chemical Properties**

<b>Physical state</b>	Liquid		
<b>Appearance</b>	Clear, colorless. No visual impurities	<b>Odor</b>	Odorless
<b>Color</b>	No information available	<b>Odor Threshold</b>	No information available

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks</u></b>	<b><u>Method</u></b>
<b>pH</b>	7.4	None known	
<b>Melting / freezing point</b>	No data available	None known	
<b>Boiling point / boiling range</b>	No data available	None known	
<b>Flash Point</b>	No data available	None known	
<b>Evaporation Rate</b>	No data available	None known	
<b>Flammability (solid, gas)</b>	No data available	None known	
<b>Flammability Limit in Air</b>			
<b>Upper flammability limit</b>	No data available		
<b>Lower flammability limit</b>	No data available		
<b>Vapor pressure</b>	No data available	None known	
<b>Vapor density</b>	No data available	None known	
<b>Specific Gravity</b>	1	None known	
<b>Water Solubility</b>	Completely soluble	None known	
<b>Solubility in other solvents</b>	No data available	None known	
<b>Partition coefficient: n-octanol/water</b>	No data available	None known	
<b>Autoignition temperature</b>	No data available	None known	
<b>Decomposition temperature</b>	No data available	None known	

## PHYSICIANS CARE EYEWASH

<b>Kinematic viscosity</b>	No data available	None known
<b>Dynamic viscosity</b>	No data available	None known
<b>Explosive properties</b>	No data available	
<b>Oxidizing properties</b>	No data available	

**Other Information**

<b>Softening Point</b>	No data available
<b>VOC Content (%)</b>	No data available
<b>Particle Size</b>	No data available
<b>Particle Size Distribution</b>	

## 10. STABILITY AND REACTIVITY

**Reactivity**

No data available.

**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**

None known based on information supplied.

**Incompatible materials**

None known based on information supplied.

**Hazardous Decomposition Products**

None known

## 11. TOXICOLOGICAL INFORMATION

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

<b>Inhalation</b>	Specific test data for the substance or mixture is not available.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Boric acid (H3BO3) 10043-35-3	= 2660 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 2.03 mg/L ( Rat ) 4 h

## PHYSICIANS CARE EYEWASH

Sodium borate 1330-43-4	= 2403 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	-
----------------------------	----------------------	-------------------------	---

**Information on toxicological effects**

**Symptoms** No information available.

**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.

**Reproductive toxicity** No information available

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

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

**Chronic Toxicity** No known effect based on information supplied.

**Target Organ Effects** No information available

**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

Not applicable

## PHYSICIANS CARE EYEWASH

## 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)
Boric acid (H <sub>3</sub> BO <sub>3</sub> ) 10043-35-3		72h LC50: = 1020 mg/L (Carassius auratus)		48h EC50: 115 - 153 mg/L
Sodium borate 1330-43-4	96h EC50: = 158 mg/L (Desmodesmus subspicatus) 96h EC50: 2.6 - 21.8 mg/L (Pseudokirchneriella subcapitata)	96h LC50: = 340 mg/L (Limanda limanda)		48h LC50: 1085 - 1402 mg/L

**Persistence and Degradability**

No information available.

**Bioaccumulation**

Chemical Name	Log Pow
Boric acid (H <sub>3</sub> BO <sub>3</sub> ) 10043-35-3	-0.757

**Other adverse effects**

No information available.

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods****Disposal methods**

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

**Contaminated Packaging**

Dispose of contents/containers in accordance with local regulations.

**California Hazardous Waste Codes 561**

This product contains one substance that is listed with the State of California as a hazardous waste. However the amounts used in this product is negligible and is of below the prescribed limits for toxicity.

Chemical Name	California Hazardous Waste
Boric acid (H <sub>3</sub> BO <sub>3</sub> ) 10043-35-3	Toxic





PHYSICIANS CARE EYEWASH

## 14. TRANSPORT INFORMATION

<u>DOT</u>	NOT REGULATED
Proper Shipping Name	NON REGULATED
Hazard Class	N/A
<u>TDG</u>	Not regulated
<u>MEX</u>	Not regulated
<u>ICAO</u>	Not regulated
<u>IATA</u>	Not regulated
Proper Shipping Name	NON REGULATED
Hazard Class	N/A
<u>IMDG/IMO</u>	Not regulated
Hazard Class	N/A
<u>RID</u>	Not regulated
<u>ADR</u>	Not regulated
<u>ADN</u>	Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

TSCA	Complies
DSL	All components are listed either 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

### 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	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

#### CWA (Clean Water Act)



**PHYSICIANS CARE EYEWASH**

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
Sodium borate 1330-43-4		X	X		

**International Regulations**

Component	Carcinogen Status	Exposure Limits
Sodium borate 1330-43-4 ( 0.1 - 1 )		Mexico: TWA 1 mg/m <sup>3</sup>

**Canada****WHMIS Hazard Class**

Not applicable

**16. OTHER INFORMATION**

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

**Prepared By** Niagara Pharmaceuticals Inc.  
60 Innovation Drive  
Flamborough, ON L9H7P3  
905-690-6277

**Revision Date** 12-Dec-2018

**Revision Note** No information available



PHYSICIANS CARE EYEWASH

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**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**



**Safetec Cut and Scrape Cleaner**

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**SAFETY DATA SHEET****SECTION 1. IDENTIFICATION****Product identifier used on the label**: **Safetec Cut and Scrape Cleaner****Product Code(s)** : 9900042 (2oz -3oz -4oz Spray Bottle)**Recommended use of the chemical and restrictions on use**: Personal Care Applications  
Restriction on use: None known**Chemical family** : Mixture.**Name, address, and telephone number  
of the supplier:****Safetec of America, Inc.**887 Kensington Avenue  
Buffalo, NY, USA  
14215

Supplier's Telephone # : 716-895-1822

**24 Hr. Emergency Tel #** : 1-800-255-3924**Name, address, and telephone number of  
the manufacturer:**

Refer to supplier

**SECTION 2. HAZARDS IDENTIFICATION****Classification of the chemical**

Clear colourless liquid. Alcohol odour.

This product is sold as a personal care item that is safe for consumers and other users under normal and reasonably foreseeable use. As such, it is not regulated under Hazcom 2012/WHMIS 2015 labeling and SDS requirements do not apply.

**Label elements***Hazard pictogram(s)*

None required under U.S. OSHA Hazcom 2012 and Canadian WHMIS 2015 regulations.

*Signal Word*

Not required

*Hazard statement(s)*

Not required

*Precautionary statement(s)*

Not required

**Other hazards**

None known.

Safetec Cut and Scrape Cleaner

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## SAFETY DATA SHEET

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

<u>Chemical name</u>	<u>Common name and synonyms</u>	<u>CAS #</u>	<u>Concentration (% by weight)</u>
Isopropanol	Isopropyl alcohol 2-Propanol	67-63-0	70.00
Benzocaine	Not available.	94-09-7	3.0 - 7.0
Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides	Benzalkonium Chloride	63449-41-2	0.1 - 1.0

### SECTION 4. FIRST-AID MEASURES

#### Description of first aid measures

- Ingestion* : Harmful effects are not expected under normal usage. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- Inhalation* : Harmful effects are not expected under normal usage. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- Skin contact* : Harmful effects are not expected under normal usage. If skin irritation or rash occurs: Get medical advice/attention.
- Eye contact* : If in eyes: Rinse cautiously with water for several minutes. If eye irritation persists: get medical advice/attention.

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

- : None expected, when used as intended.

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

- : Treat symptomatically.

### SECTION 5. FIRE-FIGHTING MEASURES

#### Extinguishing media

- Suitable extinguishing media* : Dry chemicals. Foam. Carbon dioxide (CO<sub>2</sub>). Water or fog spray.
- Unsuitable extinguishing media* : Do not use water jet as extinguisher, as this will spread the fire.

#### Special hazards arising from the substance or mixture / Conditions of flammability

- : Highly flammable liquid and vapor.

#### Flammability classification (OSHA 29 CFR 1910.106)

- : Flammable Liquids - Category 2

#### Hazardous combustion products

- : Carbon oxides

#### Special protective equipment and precautions for firefighters

- Protective equipment for fire-fighters* : Firefighters should wear an approved full-face, self-contained breathing apparatus (SCBA) and impervious clothing.

#### *Special fire-fighting procedures*

- : Cool containers exposed to heat with water spray and remove container, if no risk is involved.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

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

- : Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate personal protective equipment.

#### Environmental precautions

- : Avoid release to the environment.

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## SAFETY DATA SHEET

### Methods and material for containment and cleaning up

: Wipe up with absorbent material (e.g. cloth, fleece).

### Special spill response procedures

: Not applicable.

## SECTION 7. HANDLING AND STORAGE

### Precautions for safe handling

: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking. Do not ingest or swallow. Observe good industrial hygiene practices.

**Conditions for safe storage** : Keep containers closed when not in use.

**Incompatible materials** : Strong oxidizing agents. Acids.

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Exposure Limits:</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
	<u>Chemical Name</u>			
Isopropanol	200 ppm	400 ppm	400 ppm (980 mg/m <sup>3</sup> )	N/Av
Benzocaine	N/Av	N/Av	N/Av	N/Av
Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides	N/Av	N/Av	N/Av	N/Av

### Exposure controls

#### Ventilation and engineering measures

: None required under normal conditions.

**Respiratory protection** : None required under normal conditions.

**Skin protection** : None required under normal conditions.

**Eye / face protection** : None required under normal conditions.

**Other protective equipment** : None required when used as intended.

#### General hygiene considerations

: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** : Clear colourless liquid.

**Odour** : Alcohol odour.

**Odour threshold** : Not available.

**pH** : 7

**Melting/Freezing point** : Not available.

#### Initial boiling point and boiling range

: 82.22-100°C (180-212°F)

**Flash point** : 11.7°C (53°F)

**Flashpoint (Method)** : Closed cup

**Evaporation rate (BuAe = 1)** : 2

Safetec Cut and Scrape Cleaner

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**SAFETY DATA SHEET**

**Flammability (solid, gas)** : Not applicable.  
**Lower flammable limit (% by vol.)**  
: 2%  
**Upper flammable limit (% by vol.)**  
: 12%  
**Oxidizing properties** : Not applicable  
**Explosive properties** : Not explosive  
**Vapour pressure** : Not available.  
**Vapour density** : 2.5  
**Relative density / Specific gravity**  
: 0.79  
**Solubility in water** : Complete  
**Other solubility(ies)** : Not available.  
**Partition coefficient: n-octanol/water or Coefficient of water/oil distribution**  
: Not available.  
**Auto-ignition temperature** : Not available.  
**Decomposition temperature** : Not available.  
**Viscosity** : Not available.  
**Volatiles (% by weight)** : Not available.  
**Volatile organic Compounds (VOC's)**  
: Not available.  
**Absolute pressure of container**  
: Not available.  
**Flame projection length** : Not available.  
**Other physical/chemical comments**  
: None known or reported by the manufacturer.

**SECTION 10. STABILITY AND REACTIVITY**

**Reactivity** : The product is stable and non-reactive under normal conditions of use, storage and transport.  
**Chemical stability** : Material is stable under normal conditions.  
**Possibility of hazardous reactions**  
: Hazardous polymerization does not occur.  
**Conditions to avoid** : Keep away from heat, sparks and open flames.  
**Incompatible materials** : See Section 7 (Handling and Storage) for further details.  
**Hazardous decomposition products**  
: See Section 5 (Fire Fighting Measures).

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

**Routes of entry inhalation** : YES  
**Routes of entry skin & eye** : YES  
**Routes of entry Ingestion** : YES  
**Routes of exposure skin absorption**  
: YES

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### Potential Health Effects:

#### Signs and symptoms of short-term (acute) exposure

*Sign and symptoms Inhalation*

: None expected, when used as intended.

*Sign and symptoms ingestion*

: None expected, when used as intended.

*Sign and symptoms skin*

: None expected, when used as intended.

*Sign and symptoms eyes*

: None expected, when used as intended. Direct eye contact may cause irritation. Symptoms may include tearing, redness and discomfort.

#### Potential Chronic Health Effects

: None expected, when used as intended.

#### Mutagenicity

: Not expected to be mutagenic.

#### Carcinogenicity

: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

#### Reproductive effects & Teratogenicity

: This product is not expected to cause reproductive or developmental effects.

#### Sensitization to material

: Not expected to be a skin or respiratory sensitizer.

**Specific target organ effects** : None expected, when used as intended.

#### Medical conditions aggravated by overexposure

: None reported by the manufacturer.

#### Synergistic materials

: None reported by the manufacturer.

#### Toxicological data

: See below for individual ingredient acute toxicity data.

<u>Chemical name</u>	<u>LC<sub>50</sub>(4hr)</u> <u>inh, rat</u>	<u>LD<sub>50</sub></u>	
		<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Isopropanol	17 000 ppm (41.8 mg/L) (vapour)	4720 mg/kg	12 890 mg/kg
Benzocaine	N/Av	3042 mg/kg	N/Av
Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides	N/Av	N/Av	1420 mg/kg

#### Other important toxicological hazards

: None known or reported by the manufacturer.

### SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity** : The product is not classified as environmentally hazardous. Avoid release to the environment.

#### Ecotoxicity data:

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Fish</u>		
		<u>LC50 / 96h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
Isopropanol	67-63-0	9640 mg/L (Fathead minnow)	N/Av	None.



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### SAFETY DATA SHEET

<u>Ingredients</u>	CAS No	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
Isopropanol	67-63-0	> 10 000 mg/L/24hr (Daphnia magna)	30 mg/L	None.

<u>Ingredients</u>	CAS No	Toxicity to Algae		
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
Isopropanol	67-63-0	N/Av	N/Av	None.

**Persistence and degradability**

: Not available.

**Bioaccumulation potential**

: Not available.

<u>Components</u>	<u>Partition coefficient n-octanol/water (log Kow)</u>	<u>Bioconcentration factor (BCF)</u>
Isopropanol (CAS 67-63-0)	0.05	1.0
Benzocaine (CAS 94-09-7)	1.86	N/Av

**Mobility in soil**

: Not available.

**Other Adverse Environmental effects**

: None known or reported by the manufacturer.

#### SECTION 13. DISPOSAL CONSIDERATIONS

**Handling for Disposal**

: Dispose of in accordance with local regulations.

**Methods of Disposal**

: Dispose of in accordance with local regulations.

**RCRA**





: Not applicable.

**Safetec Cut and Scrape Cleaner**
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## SAFETY DATA SHEET

### SECTION 14. TRANSPORT INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
49CFR/DOT	UN1219	ISOPROPANOL; or ISOPROPYL ALCOHOL	LQ ground	II	
<b>49CFR/DOT Additional information</b>	May be shipped as LIMITED QUANTITY when transported in quantities no larger than 1 Litre, in packages not exceeding 30 kg gross mass.				
ICAO/IATA	ID8000	Consumer Commodity	9	none	 
<b>ICAO/IATA Additional information</b>	Refer to ICAO/IATA Packing Instruction				
IMDG	UN1993	FLAMMABLE LIQUID, N.O.S. (Isopropanol)	LQ ground	III	
<b>IMDG Additional information</b>	Must be a consumer-type product, in Limited Quantity size. Package weight must not exceed 30 kg gross.				

**Special precautions for user** : Appropriate advice on safety must accompany the package.

**Environmental hazards** : This product does not meet the criteria for an environmentally hazardous mixture, according to the IMDG Code. See Section 12 for more environmental information.

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

: Not established.

### SECTION 15 - REGULATORY INFORMATION

**US Federal Information:**

Components listed below are present on the following U.S. Federal chemical lists:

<u>Ingredients</u>	CAS #	TSCA Inventory	CERCLA Reportable Quantity (RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	
					Toxic Chemical	de minimus Concentration
Isopropanol	67-63-0	Yes	None.	None.	Yes	1%
Benzocaine	94-09-7	Yes	N/Ap	N/Av	No	N/Ap
Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides	63449-41-2	Yes	N/Ap	N/Av	No	N/Ap

SARA TITLE III: Sec. 313, Toxic Chemicals Notification, 40 CFR 372: Flammable; Eye irritation ;Specific target organ toxicity, single exposure.Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds or the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

**Safetec Cut and Scrape Cleaner**

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**US State Right to Know Laws:**

The following chemicals are specifically listed by individual States:

<u>Ingredients</u>	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Isopropanol	67-63-0	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes
Benzocaine	94-09-7	No	N/Ap	No	No	No	No	No	No
Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides	63449-41-2	No	N/Ap	No	No	No	No	No	No

**Canadian Information:**

All components of this product are on the Canadian DSL list.  
WHMIS Classification: See Section 2.

**International Information:**

Components listed below are present on the following International Inventory list:

<u>Ingredients</u>	CAS #	European EINECs	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
Isopropanol	67-63-0	200-661-7	Present	Present	(2)-207	KE-29363	Present	HSR001180
Benzocaine	94-09-7	202-303-5	Present	Present	(3)-1443	KE-01203	Present	HSR003852
Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides	63449-41-2	264-151-6	Present	Present		KE-05-1137	Present	HSR003940

**SECTION 16. OTHER INFORMATION**

**Legend**

- : ACGIH: American Conference of Governmental Industrial Hygienists
- CA: California
- CAS: Chemical Abstract Services
- CEPA: Canadian Environmental Protection Act
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
- CFR: Code of Federal Regulations
- CPR: Controlled Products Regulation
- CSA: Canadian Standards Association
- DOT: Department of Transportation
- DSL: Domestic Substances List
- EPA: Environmental Protection Agency
- HMIS: Hazardous Materials Identification System
- HPA: Hazardous Products Act
- HSDB: Hazardous Substances Data Bank
- IARC: International Agency for Research on Cancer
- IATA: International Air Transport Association
- ICAO: International Civil Aviation Organisation
- IMDG: International Maritime Dangerous Goods
- Inh: Inhalation

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LC: Lethal Concentration  
 LD: Lethal Dose  
 MA: Massachusetts  
 MN: Minnesota  
 N/Ap: Not Applicable  
 N/Av: Not Available  
 NFPA: National Fire Protection Association  
 NIOSH: National Institute of Occupational Safety and Health  
 NJ: New Jersey  
 NOEC: No observable effect concentration  
 NTP: National Toxicology Program  
 OECD: Organisation for Economic Co-operation and Development  
 OEL: National occupational exposure limits  
 OSHA: Occupational Safety and Health Administration  
 PA: Pennsylvania  
 PEL: Permissible exposure limit  
 PPE: Personal Protective Equipment  
 RCRA: Resource Conservation and Recovery Act  
 RI: Rhode Island  
 RQ: Reportable Quantity  
 RTECS: Registry of Toxic Effects of Chemical Substances  
 SARA: Superfund Amendments and Reauthorization Act  
 SDS: Safety Data Sheet  
 STEL: Short Term Exposure Limit  
 TDG: Canadian Transportation of Dangerous Goods Act & Regulations  
 TLV: Threshold Limit Values  
 TWA: Time Weighted Average  
 WEL: Workplace Exposure Limit  
 WHMIS: Workplace Hazardous Materials Identification System

**References** :

1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices for 2016
2. International Agency for Research on Cancer Monographs, searched 2017
3. Canadian Centre for Occupational Health and Safety, CCInfoWeb databases, 2017(Chempendium, HSDB and RTECs).
4. Material Safety Data Sheets from manufacturer.
5. US EPA Title III List of Lists - 2017 version.
6. California Proposition 65 List - 2017 version.
7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal,2017.

**Preparation Date (mm/dd/yyyy)**

: 04/05/2018

**Other special considerations for handling**

: Provide adequate information, instruction and training for operators.

<p><b>Prepared for:</b>          Safetec of America Inc.          887 Kensington Avenue          Buffalo, NY 14215          Telephone: 1-716-895-1822          www.safetec.com</p>	
<p><b>Prepared by:</b>          ICC The Compliance Center Inc.          Telephone: (888) 442-9628 (U.S.): (888) 977-4834 (Canada)  <a href="http://www.thecompliancecenter.com">http://www.thecompliancecenter.com</a></p>	

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**Safetec Cut and Scrape Cleaner**

**SDS Preparation Date (mm/dd/yyyy): 04/05/2018**

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## **SAFETY DATA SHEET**

### **DISCLAIMER**

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This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of ICC The Compliance Center Inc. and Safetec of America Inc.

**END OF DOCUMENT**



Telephone: (845) 365-8200 \* Website: www.dynarex.com  
 Toll Free: (888) DYNAREX \* Website: www.thcnet.com  
 Fax: (845) 365-8201

Reorder # 1108, 1201-1202-1207; HS-1125637

Reviewed on 1/7/15

## Safety Data Sheet

### SECTION 1. Product and Company Identification

Product/Trade Name: Povidone iodine pads  
 Povidone iodine swabsticks  
 Manufacturer's Name: Dynarex Corporation  
 Manufacturer's Address: 10 Glenshaw Street  
 Orangeburg, NY 10962  
 Emergency or Information Phone No.: 888-DYNAREX or 845-365-8201  
 At other times, contact the local Poison Control Center

### SECTION 2. Hazards Identification

Flash Point: >200°F (>90°C)  
 Hazardous Decomposition of Byproducts: Emits iodine vapors at high temperatures  
 Hazard Rating (NFPA): Health: 1  
 Flammability: 1  
 Reactivity: 0  
 Specific: None

### SECTION 3. Composition/Information on Ingredients

INGREDIENTS	CAS NUMBER	WT. %	ACGIH-TLV
Povidone Iodine Complex	2565-5418	0.5 to 3	None Established

### SECTION 4. First-Aid Measures

Skin Contact: Discontinue if rash or irritation is noted.  
 Eye Contact: Flush with cool water for 15 minutes.  
 Inhalation: None  
 Ingestion: Do not induce vomiting. Get medical attention.



**Telephone:** (845) 365-8200 \* **Website:** www.dynarex.com  
**Toll Free:** (888) DYNAREX \* **Website:** www.thcnet.com  
**Fax:** (845) 365-8201

Target Organs: N/A

## **SECTION 5. Fire-Fighting Measures**

Extinguishing Media: Any  
Special Fire-fighting Procedures: None  
Unusual Fire and Explosion Hazards: May emit toxic fumes of iodine in a fire.

## **SECTION 6. Accidental Release Measures**

Use absorbent material and dispose per local regulations.

## **SECTION 7. Handling and Storage**

Avoid storing at extreme temperatures.

Store under dry conditions.

## **SECTION 8. Exposure Controls/Personal Protection**

Respiration: None  
Ventilation: None  
Protective Gloves: If handling liquid  
Eye Protection: If splashing is a hazard  
Hygienic Practices: Good housekeeping practices should be followed.  
Other: Wear apron to protect clothing.

## **SECTION 9. Physical and Chemical Properties**

Color/Appearance: Applicator saturated with dark reddish brown liquid  
Odor: Faint Iodine  
Boiling Point: N/A  
Vapor Density: N/A  
Evaporation Rate: N/A  
Solubility in Water: Soluble  
Specific Gravity (H<sub>2</sub>O=1): N/A



**Telephone:** (845) 365-8200 \* **Website:** www.dynarex.com  
**Toll Free:** (888) DYNAREX \* **Website:** www.thcnet.com  
**Fax:** (845) 365-8201

## **SECTION 10. Stability and Reactivity**

Stability:	Stable
Conditions to avoid:	None known
Incompatibility:	Alkalis and reducing agents
Hazardous Decomposition of By-products:	Emits iodine vapors at high temperatures
Polymerization:	Will not occur

## **SECTION 11. Toxicological Information**

Skin:	May cause irritation
Eyes:	May be irritating
Inhalation:	None
Ingestion:	Harmful

## **SECTION 12. Ecological Information**

**Ecotoxicity** Not available  
**Environmental effects** Not available  
**Aquatic toxicity** Not available  
**Persistence / degradability** Not available  
**Bioaccumulation / accumulation** Not available  
**Partition coefficient** Not available  
**Mobility in environmental media** Not available  
**Chemical fate information** Not available  
**Other adverse effects** Not available

## **SECTION 13. Disposal Considerations**

Follow local, state and federal regulations.

## **SECTION 14. Transport Information**

DOT Shipping Name:  
Technical Shipping Name:





**Telephone:** (845) 365-8200 \* **Website:** www.dynarex.com  
**Toll Free:** (888) DYNAREX \* **Website:** www.thcnet.com  
**Fax:** (845) 365-8201

DOT Shipping Classification: **DOT not regulated**

DOT ID Number:

DOT Label Requirements:

UN/NA Number Regulations:

Reportable Quantity:

## **SECTION 15. Regulatory Information**

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

NPN 00489948 - Pad/ NPN 00489964 - Swabstick

**US Federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200 due to the presence of listed sensitizers. All components are on the U.S. EPA TSCA Inventory List.

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

**29 CFR 1910.1200 hazardous chemical** Yes

### **CERCLA (Superfund) reportable quantity**

Sodium hydroxide: 1000.0000

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

#### **Hazard categories**

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

#### **Section 302 extremely hazardous substance**

No

**Section 311 hazardous chemical** Yes

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

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

**Safe Drinking Water Act (SDWA)** Not available

**Drug Enforcement Agency (DEA)** Not available

**Food and Drug Administration (FDA)** Not available

**WHMIS classification** Exempt - Registered product - (NHP see above)

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



**Telephone:** (845) 365-8200 \* **Website:** [www.dynarex.com](http://www.dynarex.com)  
**Toll Free:** (888) DYNAREX \* **Website:** [www.thcnet.com](http://www.thcnet.com)  
**Fax:** (845) 365-8201

## SECTION 16. Other information

### Abbreviations

N/A: Denotes no applicable information found or available  
CAS#: Chemical Abstracts Service Number  
ACGIH: American Conference of Governmental Industrial Hygienists  
OSHA: Occupational Safety and Health Administration  
TLV: Threshold Limit Value  
PEL: Permissible Exposure Limit  
STEL: Short Term Exposure Limit  
NTP: National Toxicology Program  
IARC: International Agency for Research on Cancer  
EU: European Union  
R: Risk  
S: Safety

**Disclaimer:** This Safety Data Sheet, which takes into consideration the requirements of Directive 76/768/EC and subsequent amendments and Directive 1999/45/EC plus subsequent amendments, has been prepared in accordance with Directive (EC) 1907/2006. It is believed to be correct and corresponds to the latest scientific/technical knowledge but all data, instructions, recommendations and/or suggestions are made without guarantee. No warranty, expressed or implied, is made and Dynarex Corp. assumes no legal responsibility or liability resulting from its use.

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**SECTION 1: PRODUCT IDENTIFICATION**

**Product:** Alcohol Prep Pads

**Product Label Name:** Dukal Alcohol Prep Pads (private label included)

**CAS#:** (Alcohol) 67-63-0  
**EC#:** (Alcohol) 200-661-7

**Relevant Product Use:** Antiseptic Cleanser

**Company Name and Address:** Dukal Corporation  
2 Fleetwood Court  
Ronkonkoma, NY 11779

**Emergency Telephone Number:** 631-656-3800

**Contact Outside USA:** +1-800-243-0741  
QA-RA-NY@dukal.com

**Last Revision Date:** 21-August-2019

**SECTION 2: HAZARDOUS IDENTIFICATION**

**Hazard Class/Category:** Flammable Liquid – 2  
Eye Irritation – 2  
STOT SE – 3

**Hazard Symbol:**



**Signal Word:** Danger

**Hazard Statements:** Highly flammable liquid and vapor. (H225)  
Causes serious eye irritation. (H319)  
May cause drowsiness or dizziness. (H336)

**Precautionary statements:**

**General:** Keep away from heat/sparks/open flames/hot surfaces. -  
No smoking. Keep out of reach of children. (P210) (P102)

**Eyes:** IF IN EYES: Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.  
(P305+P338) (P337+P313)

**Inhalation:** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. (P304+P340)

### SECTION 3: INFORMATION ON INGREDIENTS

Component Name	CAS #	EC #	Concentration	R Phrase
Isopropyl Alcohol	67-63-0	200-661-7	>60%	R11

### SECTION 4: FIRST-AID MEASURES

#### Emergency first aid procedures by route of exposure:

**Inhalation:** If symptoms are experienced, remove source of contamination or move victim to fresh air. If affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

**Ingestion:** Do not induce vomiting. If the material is swallowed have victim drink 1-3 glasses of water to dilute stomach contents. Seek medical attention or advice.

**Skin:** If irritation is experienced, rinse with water. If irritation persists, seek medical attention.

**Eyes:** Rinse eyes with water for 15 minutes holding the eye open. Seek medical attention if irritation persists

### SECTION 5: FIRE-FIGHTING MEASURES

**Flammability Classification:** Flammable Liquid IB Extinguishing Media: Use methods appropriate for the surrounding fire. Consider water spray or fog, carbon dioxide, dry chemical powder, or alcohol resistant foam.

**Products of Combustion:** Upon decomposition this product may emit carbon dioxide, carbon monoxide and/or low molecular weight hydrocarbons.

**Fire Fighting Equipment/Instructions:** Wear protective clothing and equipment suitable for the surrounding fire, including helmet, facemask, and self-contained breathing apparatus.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** For large spills wear gloves, safety glasses and when levels exceed OSHA PEL use appropriate NIOSH approved respiratory protection. Keep unnecessary personnel away. Eliminate all sources of ignition or flammables that may come into contact with a spill of this material.

**Environmental Precautions:** Prevent discharge to open waters.

**Method for Containment:** Absorb spilled liquid in suitable non-flammable inert material such as clay, vermiculite or diatomaceous earth.

**Methods for Clean-Up:** Ventilate area of leak or spill. Use spark-proof tools to sweep or scrape up and containerize in approved chemical waste container. Wash spill area with water.

**SECTION 7: HANDLING AND STORAGE**

**Handling:** Keep away from heat, sparks and flame. Prevent contact with eyes. Use in well ventilated area.

**Storage:** Keep the container tightly closed and in a cool, well ventilated place.

**SECTION 8: EXPOSURE CONTROLS****Isopropyl Alcohol (67-63-0)**

**ACGIH:** 200 ppm TWA

**OSHA:** 400 ppm TWA; 980 mg/m<sup>3</sup> TWA

**Engineering Controls:** Normal room ventilation is usually adequate.

**Personal Protective Equipment (PPE):**

**Eye/Face Protection:** None needed under normal use – Wear goggles is exposed to unusual amount and splashing

**Skin Protection:** None needed under normal use -- Wear overalls or apron if splashing is possible

**Respiratory Protection:** Use when vapor concentrations are high or in an enclosed space. Avoid inhalation of vapor.

**General Hygiene Considerations:** No smoking. Normal hygienic practices.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Physical State:** Non-woven cloth saturated with liquid. No free liquid inside packaging.

**Appearance/Color:** Clear

**Odor:** Alcohol

**PH:** Not Available.

**Vapor Density:** 2.1 (air=1)

**Boiling Point:** 80°C

**Vapor Pressure:** No data

**Melting Point:** No data

**Freezing Point:** Not Available

**Flash Point:** 11.7°C for 70% Isopropanol Solution

**Solubility (in water):** Soluble

**Specific Gravity @ 25°C:** 0.88-0.92

**Evaporation Rate:** Not Available

**Octanol/Water partition coefficient :** Not Available

**Auto-ignition temperature:** Not Available

**Decomposition temperature:** Not Available

**SECTION 10: STABILITY AND REACTIVITY**

**Stability:** Stable under normal ambient temperatures 70°C (21°C)

**Condition to Avoid:** Avoid excessive heat or sources of ignition.

**Incompatible Materials:** This product reacts with strong acid, strong bases, and oxidizing agents.

**Hazardous Decomposition:** Upon decomposition, this product evolves carbon monoxide, carbon dioxide, and/or low weight hydrocarbons.

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

**SECTION 11: TOXICOLOGICAL INFORMATION****ACUTE EFFECTS:****A: General Product information**

Product contains isopropyl alcohol.

**B: Acute Toxicity**

Low order of acute toxicity is possible.

**CHRONIC EFFECTS:** Component

**Isopropyl Alcohol (67-63-0)** -- This product is not expected to cause long term adverse effects

**Carcinogenicity:** ACGIH A4 – Not Classifiable as a Human Carcinogen

**Neurotoxicity:** No information available

**Mutagenicity:** No information available for product.

**Reproductive:** This product is not expected to cause reproductive health effects

**Developmental:** This product is not expected to cause reproductive health effects.

**Target Organs:** When consumed, ethyl alcohol can target the respiratory system, skin, eyes, CNS, liver, blood and reproductive system.

**SECTION 12: ECOLOGICAL INFORMATION**

Solutions of alcohols are toxic to aquatic life at moderate to low concentrations. No long-term ecological effects are likely. Concentrated solutions of alcohols and surfactants may cause damage to aquatic and terrestrial plants.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Dispose in accordance with national and local regulations. Labels should not be removed from containers until they have been cleaned. Do not cut, puncture or weld near container. Do not incinerate closed containers. Empty containers may contain hazardous residues. Dispose of containers with care.

**SECTION 14: TRANSPORTATION INFORMATION**

<b><u>DOT</u></b>	Not Regulated as Hazardous Material under DOT 49 CFR 172.102 Special Provision 47
<b><u>UN (EU: ADR/RID/ADN)</u></b>	Not Regulated as Hazardous Material under UN Dangerous Goods Ch. 3.3 Special Provision 216
<b><u>IATA/ ICAO</u></b>	Not Regulated as Hazardous Material under IATA Sec. 4.4 Special Provision A46, ICAO DPG SP A46
<b><u>IMDG/ IMO</u></b>	Not Regulated as Hazardous Material under IMDG Ch. 3.3 Special Provision 216

**Special Provisions Verbiage:** (DOT) Mixtures of solids that are not subject to this subchapter and flammable liquids may be transported under this entry without first applying the classification criteria of Division 4.1, provided there is no free liquid visible at the time the material is loaded or at the time the packaging or transport unit is closed. Except when the liquids are fully absorbed in solid material contained in sealed bags, for single packagings, each packaging must correspond to a design type that has passed a leakproofness test at the Packing Group II level. Small inner packagings consisting of sealed packets and articles containing less than 10 mL of a Class 3 liquid in Packing Group II or III absorbed onto a solid material are not subject to this subchapter provided there is no free liquid in the packet or article. (UN: ARD/RID/ADN) SP216: Mixtures of solids which are not subjects to these Regulations and flammable liquids may be transported under this entry without first applying the classification criteria of Division 4.1, provided there is no free liquid visible at the time the substance is loaded or at the time the packaging or cargo transport unit is closed. Each cargo transport unit shall be leakproof when used as a bulk packaging. Sealed packets and articles containing less than 10 ml of a packing group II or III flammable liquid absorbed into a solid are not subject to these Regulations provided there is no free liquid in the packet or article. SP313: Sealed packets and articles containing less than 10 ml of



an environmentally hazardous liquid, absorbed into a solid material but with no free liquid in the packet or article, or containing less than 10 g of an environmentally hazardous solid, are not subject to these Regulations. (IATA) Small inner packagings consisting of sealed packets or articles containing less than 10 mL of a Packing Group II or III flammable liquid absorbed into a solid material are not subject to these Regulations provided there is no free liquid in the packet or article (IACAO) Mixtures of solids which are not subject to these Instructions and flammable liquids may be transported under this entry without first applying the classification criteria of Division 4.1, providing there is no free liquid visible at the time the substance is packaged and the packaging must pass a leakproofness test at the Packing Group II level. Small inner packagings consisting of sealed packets or articles containing less than 10 mL of a Packing Group II or III flammable liquid absorbed into a solid material are not subject to these Instructions provided there is no free liquid in the packet or articles. (IMDG) Sealed packets containing 10 ml or less of Class 3 flammable liquids in Packing Group II or III which are absorbed into a solid with no free liquid at the time of shipment are not regulated.

**SECTION 15: REGULATORY INFORMATION****EPA: SARA**

<b>CAS</b>	<b>Chemical</b>	<b>De Minimis</b>
67-63-0	Isopropyl alcohol (only persons who manufacture by the strong acid process are subject, no supplier notification)	1.0%

**EC:**

Directive 2010/75/EU (VOC): 60 - 80 % (Liquid)

**SECTION 16: OTHER INFORMATION**

**Issue Date:** Mar 26-2014

**Revision Date:** Jan 5-2021

**Disclaimer:**

The information provided in this SDS is correct and is to the best of our knowledge, at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
 Trade name : Ammonia Inhalant Solution

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

Use of the substance/mixture : OTC drug used to treat or prevent fainting  
 Use of the substance/mixture : For professional use only

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

James Alexander Corporation  
 845 Route 94 Blairstown  
 NJ 07825

Tel: (908) 362-9266

Note: The CHEMTREC emergency number is to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving chemicals. All non-emergency questions should be directed to JAC at (908) 362-9266.

#### 1.4. Emergency telephone number

Emergency number : Chemtrec (800) 424-9300

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Flam. Liq. 2 H225  
 Skin Corr. 1B H314  
 Eye Dam. 1 H318  
 Carc. 1A H350

#### 2.2. Label elements

##### GHS-US labelling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

H225 - Highly flammable liquid and vapour  
 H314 - Causes severe skin burns and eye damage  
 H318 - Causes serious eye damage  
 H350 - May cause cancer

Precautionary statements (GHS-US) :

P201 - Obtain special instructions before use  
 P202 - Do not handle until all safety precautions have been read and understood  
 P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking  
 P233 - Keep container tightly closed  
 P240 - Ground/bond container and receiving equipment  
 P241 - Use explosion-proof electrical, lighting, ventilating equipment  
 P242 - Use only non-sparking tools  
 P243 - Take precautionary measures against static discharge  
 P260 - Do not breathe dust, fume, gas, mist, spray, vapours  
 P264 - Wash hands thoroughly after handling  
 P280 - Wear eye protection, protective clothing, protective gloves  
 P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting  
 P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

# Ammonia Inhalant Solution

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P308+P313 - IF exposed or concerned: Get medical advice/attention  
P310 - Immediately call a POISON CENTER or doctor/physician  
P321 - Specific treatment (see on this label)  
P363 - Wash contaminated clothing before reuse  
P370+P378 - In case of fire: Use dry chemical powder, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>), water spray, sand, earth for extinction  
P403+P235 - Store in a well-ventilated place. Keep cool  
P405 - Store locked up  
P501 - Dispose of contents/container to comply with applicable local, national and international regulation.

### 2.3. Other hazards

No additional information available

### 2.4. Unknown acute toxicity (GHS-US)

No data available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

Full text of H-phrases: see section 16

### 3.2. Mixture

Name	Product identifier	%	GHS-US classification
Ethyl alcohol	(CAS No) 64-17-5	30 - 40	Flam. Liq. 2, H225 Carc. 1A, H350
Ammonia	(CAS No) 7664-41-7	15 - 20	Flam. Gas 2, H221 Compressed gas, H280 Acute Tox. 3 (Inhalation:gas), H331 Skin Corr. 1B, H314

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Remove to fresh air and keep at rest in a position comfortable for breathing. If breathing stops, give artificial respiration. In case of breathing difficulties administer oxygen. by trained personnel. Seek medical attention immediately.
- First-aid measures after skin contact : Immediately flush skin with plenty of water for at least 15 minutes. Remove/Take off immediately all contaminated clothing. Do not rub the skin and eyes after direct contact with the product. Seek medical attention immediately. Wash contaminated clothing before reuse.
- First-aid measures after eye contact : In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately get medical attention.
- First-aid measures after ingestion : If the person is fully conscious, make him/her drink water. Never give an unconscious person anything to drink. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician. If swallowed, rinse mouth with water (only if the person is conscious).

### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries : Causes severe skin burns and eye damage. This material or its emissions may affect the central nervous system and/or aggravate pre-existing disorders.
- Symptoms/injuries after inhalation : May cause cancer by inhalation. Prolonged and repeated inhalation of decomposition products may cause a pulmonary oedema. Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination. Irritating to the respiratory system, may cause throat pain and cough. Difficulty in breathing.
- Symptoms/injuries after skin contact : May cause severe burns.
- Symptoms/injuries after eye contact : Causes serious eye damage. Can cause blindness.
- Symptoms/injuries after ingestion : May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. Ingestion may cause nausea, vomiting and diarrhea.

### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

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according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Alcohol resistant foam. Dry powder. Carbon dioxide. Sand.  
Unsuitable extinguishing media : Do not use a heavy water stream.

#### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Highly flammable liquid and vapour.  
Explosion hazard : May form flammable/explosive vapour-air mixture.  
Reactivity : Thermal decomposition generates : Corrosive vapours. Reacts violently with acids. An exothermic reaction may occur.

#### 5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.  
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.  
Other information : Containers may swell and Burst during a fire due to internal pressure caused by heat. Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours. Alcohols burn with a pale blue flame which may be extremely hard to see under normal lighting conditions. Personnel may be able to feel the heat of the fire without seeing flames. Extreme caution must be exercised in fighting alcohol fires.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Eliminate all ignition sources if safe to do so. Use special care to avoid static electric charges. No naked lights. No smoking. Stop leak if safe to do so. No action shall be taken involving any personal risk or without suitable training. Wear protective clothing. For further information refer to section 8 : Exposure-controls/personal protection.

##### 6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.  
Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

- Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

#### 6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Consult the appropriate authorities about waste disposal. Ensure all national/local regulations are observed.

#### 6.4. Reference to other sections

- See Heading 8. Exposure controls and personal protection.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.  
Precautions for safe handling : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Personal protective equipment should be selected based upon the conditions under which this product is handled or used. Use personal protective equipment as required. Provide good ventilation in process area to prevent formation of vapour. Do not breathe gas, fumes, vapour or spray. No naked lights. No smoking. Use only non-sparking tools. Never use pressure to empty container. Ground/bond container and receiving equipment. Take care to allow internal pressure to escape from container before releasing closures. Remove closure carefully; internal pressure may be present. Keep closure up to prevent leakage. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.  
Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

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

- Technical measures : Use explosion-proof machinery, apparatus, ventilation facilities, tools etc. Ensure the ventilation system is regularly maintained and tested. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of mists and/or vapors below the recommended exposure limits. Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. A washing facility/water for eye and skin cleaning purposes should be present. Comply with applicable regulations.
- Storage conditions : Keep only in the original container in a cool well ventilated place. Keep in fireproof place. Keep container tightly closed. Protect containers against physical damage. Detached outside storage is preferable. Inside storage should be in an NFPA approved flammable liquids storage room or cabinet. Store in corrosion-proof area at temperatures below 77 degrees F (25°C). Store away from direct sunlight or other heat sources.
- Incompatible materials : Avoid mixing with acids, most common metals, strong oxidizing agents, brass, zinc, chlorine, aluminum, copper, bronze, mercury, dimethyl sulfate and acetyl chloride.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Ammonia (7664-41-7)		
USA ACGIH	ACGIH TWA (ppm)	25 ppm
USA ACGIH	ACGIH STEL (ppm)	35 ppm
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	35 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (ppm)	50 ppm

Ethyl alcohol (64-17-5)		
USA ACGIH	ACGIH STEL (ppm)	1000 ppm
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (ppm)	1000 ppm

### 8.2. Exposure controls

- Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of mists and/or vapors below the recommended exposure limits. Use explosion-proof ventilating equipment.
- Personal protective equipment : Avoid all unnecessary exposure. A hazard assessment of the work area for PPE requirements should be conducted by a qualified professional pursuant to OSHA regulations. For certain operations, additional Personal Protection Equipment (PPE) may be required. Protective goggles. Gloves. Protective clothing.



- Hand protection : Wear protective gloves. rubber gloves. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.
- Eye protection : Chemical goggles or face shield.
- Skin and body protection : Wear suitable protective clothing. Chemical resistant safety shoes.
- Respiratory protection : Wear a self-contained breathing apparatus and appropriate personal protective equipment (PPE). Suggestions provided in this section for exposure control and specific types of protective equipment are based on readily available information. Users should consult with the specific manufacturer to confirm the performance of their protective equipment. Specific situations may require consultation with industrial hygiene, safety, or engineering professionals. Care must be taken to assure that any respirator chosen is capable of protecting the user from both ammonia and ethyl alcohol vapors.
- Other information : Do not eat, drink or smoke during use.

# Ammonia Inhalant Solution

## Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear.
Colour	: Red.
Odour	: Pungent ammonia odour.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: > 35 °C (> 95 °F)
Flash point	: < 10 °C (< 50 °F - Pensky Martens Closed Cup)
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 0.891 (Specific Gravity @ 25 °C )
Solubility	: Soluble in water.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Thermal decomposition generates : Corrosive vapours. Reacts violently with acids. An exothermic reaction may occur.

#### 10.2. Chemical stability

Not established.

#### 10.3. Possibility of hazardous reactions

Not established.

#### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame.

#### 10.5. Incompatible materials

Avoid mixing with acids, most common metals, strong oxidizing agents, brass, zinc, chlorine, aluminum, copper, bronze, mercury, dimethyl sulfate and acetyl chloride.

#### 10.6. Hazardous decomposition products

Thermal decomposition generates : Fume. Carbon monoxide. Carbon dioxide. May release flammable gases. Corrosive vapours. Ammonia. Nitrogen oxides. release of highly flammable gases/vapours hydrogen.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity	: Not classified (Based on available data, the classification criteria are not met)
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# Ammonia Inhalant Solution

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according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

Ammonia (7664-41-7)	
LD50 oral rat	350 mg/kg
LC50 inhalation rat (ppm)	2000 ppm/4h

Ethyl alcohol (64-17-5)	
LC50 inhalation rat (mg/l)	124.7 mg/l (Exposure time: 4 h)

Skin corrosion/irritation	: Causes severe skin burns and eye damage.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: May cause cancer.

Ethyl alcohol (64-17-5)	
IARC group	1 - Carcinogenic to humans

Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (single exposure)	: Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (repeated exposure)	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation	: May cause cancer by inhalation. Prolonged and repeated inhalation of decomposition products may cause a pulmonary oedema. Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination. Irritating to the respiratory system, may cause throat pain and cough. Difficulty in breathing.
Symptoms/injuries after skin contact	: May cause severe burns.
Symptoms/injuries after eye contact	: Causes serious eye damage. Can cause blindness.
Symptoms/injuries after ingestion	: May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. Ingestion may cause nausea, vomiting and diarrhea.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ammonia (7664-41-7)	
LC50 fishes 1	0.44 mg/l (Exposure time: 96 h - Species: Cyprinus carpio)
EC50 Daphnia 1	25.4 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 fish 2	0.26 - 4.6 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)

Ethyl alcohol (64-17-5)	
LC50 fishes 1	12.0 - 16.0 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 Daphnia 1	9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 fish 2	> 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas)
EC50 Daphnia 2	10800 mg/l (Exposure time: 24 h - Species: Daphnia magna)

### 12.2. Persistence and degradability

Ammonia Inhalant Solution	
Persistence and degradability	Not established.

### 12.3. Bioaccumulative potential

Ammonia Inhalant Solution	
Bioaccumulative potential	Not established.

Ammonia (7664-41-7)	
Log Pow	-1.14 (at 25 °C)

# Ammonia Inhalant Solution

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### Ethyl alcohol (64-17-5)

Log Pow : -0.32

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

Other information : Avoid release to the environment.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Do not re-use empty containers. Ensure all national/local regulations are observed. Consult the appropriate authorities about waste disposal.

Additional information : Handle empty containers with care because residual vapours are flammable.

Ecology - waste materials : Avoid release to the environment.

### SECTION 14: Transport information

In accordance with DOT

Transport document description : UN2924 Flammable liquids, corrosive, n.o.s. (Ammonia, Ethanol), 3, II

UN-No.(DOT) : 2924

DOT NA no. : UN2924

DOT Proper Shipping Name : Flammable liquids, corrosive, n.o.s.  
(Ammonia, Ethanol)

Department of Transportation (DOT) Hazard Classes : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

Hazard labels (DOT) : 3 - Flammable liquid  
8 - Corrosive



DOT Symbols : G - Identifies PSN requiring a technical name

Packing group (DOT) : II - Medium Danger

DOT Special Provisions (49 CFR 172.102) : IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.

T11 - 6 178.274(d)(2) Normal..... 178.275(d)(3)  
TP2 - a. The maximum degree of filling must not exceed the degree of filling determined by the following: (image) Where:  $t_r$  is the maximum mean bulk temperature during transport,  $t_f$  is the temperature in degrees celsius of the liquid during filling, and  $a$  is the mean coefficient of cubical expansion of the liquid between the mean temperature of the liquid during filling ( $t_f$ ) and the maximum mean bulk temperature during transportation ( $t_r$ ) both in degrees celsius. b. For liquids transported under ambient conditions may be calculated using the formula: (image) Where:  $d_{15}$  and  $d_{50}$  are the densities (in units of mass per unit volume) of the liquid at 15 C (59 F) and 50 C (122 F), respectively.

TP27 - A portable tank having a minimum test pressure of 4 bar (400 kPa) may be used provided the calculated test pressure is 4 bar or less based on the MAWP of the hazardous material, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP.

DOT Packaging Exceptions (49 CFR 173.xxx) : 150

DOT Packaging Non Bulk (49 CFR 173.xxx) : 202

DOT Packaging Bulk (49 CFR 173.xxx) : 243

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 1 L

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 5 L

DOT Vessel Stowage Location : B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.



# Ammonia Inhalant Solution

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DOT Vessel Stowage Other : 40 - Stow "clear of living quarters"

### Additional information

Other information : No supplementary information available.

### ADR

Transport document description : No additional information available

### Transport by sea

No additional information available

### Air transport

No additional information available

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

Ammonia Inhalant Solution	
RQ (Reportable quantity, section 304 of EPA's List of Lists) :	588 lb
Ammonia (7664-41-7)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on SARA Section 302 (Specific toxic chemical listings) Listed on SARA Section 313 (Specific toxic chemical listings)	
RQ (Reportable quantity, section 304 of EPA's List of Lists) :	100 lb
SARA Section 302 Threshold Planning Quantity (TPQ)	500
SARA Section 313 - Emission Reporting	1.0 % (includes anhydrous Ammonia and aqueous Ammonia from water dissociable Ammonium salts and other sources, 10% of total aqueous Ammonia is reportable under this listing)

Ethyl alcohol (64-17-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

### 15.2. International regulations

#### CANADA

Ammonia (7664-41-7)	
Listed on the Canadian DSL (Domestic Substances List) inventory.	
WHMIS Classification	Class A - Compressed Gas Class B Division 1 - Flammable Gas Class D Division 1 Subdivision A - Very toxic material causing immediate and serious toxic effects Class E - Corrosive Material

Ethyl alcohol (64-17-5)	
Listed on the Canadian DSL (Domestic Substances List) inventory.	
WHMIS Classification	Class B Division 2 - Flammable Liquid Class D Division 2 Subdivision B - Toxic material causing other toxic effects

#### EU-Regulations

Ammonia (7664-41-7)	
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.	

Ethyl alcohol (64-17-5)	
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.	

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

# Ammonia Inhalant Solution

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### Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

### 15.2.2. National regulations

#### Ammonia (7664-41-7)

Listed on the AICS (the Australian Inventory of Chemical Substances)  
Listed on Inventory of Existing Chemical Substances (IECSC)  
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.  
Listed on the Korean ECL (Existing Chemical List) inventory.  
Listed on New Zealand - Inventory of Chemicals (NZIoC)  
Listed on Inventory of Chemicals and Chemical Substances (PICCS)  
Poisonous and Deleterious Substances Control Law  
Listed on the Canadian Ingredient Disclosure List

#### Ethyl alcohol (64-17-5)

Listed on IARC (International Agency for Research on Cancer)  
Listed on the AICS (the Australian Inventory of Chemical Substances)  
Listed on Inventory of Existing Chemical Substances (IECSC)  
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.  
Listed on the Korean ECL (Existing Chemical List) inventory.  
Listed on New Zealand - Inventory of Chemicals (NZIoC)  
Listed on Inventory of Chemicals and Chemical Substances (PICCS)  
Listed on the Canadian Ingredient Disclosure List

### 15.3. US State regulations

#### Ethyl alcohol (64-17-5)

U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
Yes	Yes			

## SECTION 16: Other information

Other information : None.

Full text of H-phrases: see section 16:

Acute Tox. 3 (Inhalation:gas)	Acute toxicity (inhalation:gas) Category 3
Carc. 1A	Carcinogenicity, Category 1A
Compressed gas	Gases under pressure : Compressed gas
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Flam. Gas 2	Flammable gases, Category 2
Flam. Liq. 2	Flammable liquids Category 2
Skin Corr. 1B	Skin corrosion/irritation Category 1B
H221	Flammable gas
H225	Highly flammable liquid and vapour
H280	Contains gas under pressure; may explode if heated
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H331	Toxic if inhaled
H350	May cause cancer

NFPA health hazard

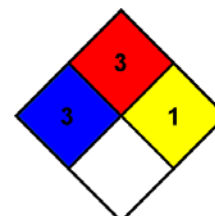
: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.

NFPA fire hazard

: 3 - Liquids and solids that can be ignited under almost all ambient conditions.

NFPA reactivity

: 1 - Normally stable, but can become unstable at elevated temperatures and pressures or may react with water with some release of energy, but not violently.



# Ammonia Inhalant Solution

## Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

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SDS US (GHS HazCom 2012)

*This Material Safety Data Sheet is intended only as a guide to the appropriate precautionary handling of the material by a person trained in, or supervised by a person trained in, the safe handling of chemical materials. James Alexander Corporation (JAC), expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose with respect to the product or information provided herein. All information appearing herein is based upon data obtained from the manufacturer(s) and/or recognized technical sources. While the information is believed to be accurate, JAC makes no representations as to its accuracy or sufficiency. Conditions of use are beyond JAC's control and therefore, users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product, or from the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein and does not relate to its use in combination with any other material or in any other process.*



HEALTHCARE BEYOND BURN CARE™

# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: US OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canada WHMIS 2015 which includes the amended Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR)

Issuing Date 04-Dec-2019

Revision Date 04-Dec-2019

Revision Number 1

## 1. Identification

### Product identifier

Product Name First Aid/ Burn Cream

### Other means of identification

Product Code(s) FAC.00.121

Synonyms First Aid Cream; First Aid /Burn Cream Antiseptic Pain Relief with Aloe

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

Recommended use First aid to help prevent infection and for the temporary relief of pain and itching associated with minor cuts, scrapes and burns

Restrictions on use For external use only.

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

#### Manufacturer Address

WaterJel © Technologies  
50 Broad Street  
Carlstadt, NJ 07072  
P: 201-507-8300

#### Emergency telephone number

Emergency Telephone 800-275-3433 (8:00 am-5:00 pm EST Weekdays)

## 2. Hazard(s) identification

### Classification

### Label elements

#### Hazard statements

Not classified.

### Other information

No information available.

## 3. Composition/information on ingredients

**Substance**

Not applicable.

**Mixture****Synonyms**

First Aid Cream; First Aid /Burn Cream Antiseptic Pain Relief with Aloe

Chemical name	CAS No	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Stearic acid	57-11-4	5-10	-	-
Glycerin	56-81-5	1-5	-	-
Propylene glycol	57-55-6	0.5-1.5	-	-

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

**4. First-aid measures****Description of first aid measures**

<b>Inhalation</b>	Remove to fresh air.
<b>Eye contact</b>	Rinse thoroughly with plenty of water, also under the eyelids.
<b>Skin contact</b>	Wash skin with soap and water.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water.

**Most important symptoms and effects, both acute and delayed****Symptoms** May cause temporary eye irritation.**Indication of any immediate medical attention and special treatment needed****Note to physicians** Treat symptomatically.**5. Fire-fighting measures****Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.**Unsuitable extinguishing media** No information available.**Specific hazards arising from the chemical** No information available.**Explosion data****Sensitivity to mechanical impact** None.**Sensitivity to static discharge** None.**Special protective equipment for fire-fighters** 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** Ensure adequate ventilation.

### 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** 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.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

## 8. Exposure controls/personal protection

### Control parameters

#### Exposure Limits

Chemical name	ACGIH TLV	OSHA PEL	NIOSH	
Stearic acid 57-11-4	TWA: 10 mg/m <sup>3</sup> inhalable particulate matter TWA: 3 mg/m <sup>3</sup> respirable particulate matter	-	-	
Glycerin 56-81-5	-	TWA: 15 mg/m <sup>3</sup> mist, total particulate TWA: 5 mg/m <sup>3</sup> mist, respirable fraction (vacated) TWA: 10 mg/m <sup>3</sup> mist, total particulate (vacated) TWA: 5 mg/m <sup>3</sup> mist, respirable fraction	-	
Chemical name	Alberta	British Columbia	Ontario	Quebec
Glycerin 56-81-5	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> TWA: 3 mg/m <sup>3</sup>		TWA: 10 mg/m <sup>3</sup>
Propylene glycol 57-55-6			TWA: 10 mg/m <sup>3</sup> TWA: 50 ppm TWA: 155 mg/m <sup>3</sup>	

### Appropriate engineering controls

**Engineering controls** Showers

Eyewash stations  
Ventilation systems.

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

<b>Eye/face protection</b>	No special protective equipment required.
<b>Hand protection</b>	No special protective equipment required.
<b>Skin and body protection</b>	No special protective equipment required.
<b>Respiratory protection</b>	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice.

## **9. Physical and chemical properties**

### **Information on basic physical and chemical properties**

<b>Appearance</b>	White cream
<b>Physical state</b>	Solid
<b>Color</b>	White
<b>Odor</b>	Odorless
<b>Odor threshold</b>	No information available

<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>
<b>pH</b>	6.4 - 7.6	
<b>Melting point / freezing point</b>	No data available	None known
<b>Boiling point / boiling range</b>	No data available	None known
<b>Flash point</b>	No data available	None known
<b>Evaporation rate</b>	No data available	None known
<b>Flammability (solid, gas)</b>	No data available	None known
<b>Flammability Limit in Air</b>		None known
<b>Upper flammability or explosive limits</b>	No data available	
<b>Lower flammability or explosive limits</b>	No data available	
<b>Vapor pressure</b>	No data available	None known
<b>Vapor density</b>	No data available	None known
<b>Relative density</b>	No data available	None known
<b>Water solubility</b>	Miscible in water	
<b>Solubility(ies)</b>	No data available	None known
<b>Partition coefficient</b>	No data available	None known
<b>Autoignition temperature</b>	No data available	None known
<b>Decomposition temperature</b>	No data available	None known
<b>Kinematic viscosity</b>	No data available	None known
<b>Dynamic viscosity</b>	10,000 - 75,000 cP	Spindle #4 (64), 6 RPM, 15 seconds

### **Other information**

<b>Explosive properties</b>	No information available.
<b>Oxidizing properties</b>	No information available.
<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC Content (%)</b>	No information available
<b>Liquid Density</b>	No information available
<b>Bulk density</b>	No information available

## 10. Stability and reactivity

<b>Reactivity</b>	None under normal use conditions.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	None under normal processing.
<b>Conditions to avoid</b>	None known based on information supplied.
<b>Incompatible materials</b>	None known based on information supplied.
<b>Hazardous decomposition products</b>	None known based on information supplied.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Specific test data for the substance or mixture is not available.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available.

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

<b>Symptoms</b>	May cause temporary eye irritation.
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### Acute toxicity

### Numerical measures of toxicity

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

<b>ATEmix (oral)</b>	29,131.40 mg/kg
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### Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Stearic acid	= 4600 mg/kg ( Rat )		
Glycerin	= 12600 mg/kg ( Rat )	> 10 g/kg ( Rabbit )	> 570 mg/m <sup>3</sup> ( Rat ) 1 h
Propylene glycol	= 20 g/kg ( Rat )	= 20800 mg/kg ( Rabbit )	

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

<b>Skin corrosion/irritation</b>	No information available.
<b>Serious eye damage/eye irritation</b>	No information available.
<b>Respiratory or skin sensitization</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.



**Legend**

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

<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration hazard</b>	No information available.

**12. Ecological information****Ecotoxicity**

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Glycerin 56-81-5	-	LC50: 51 - 57mL/L (96h, Oncorhynchus mykiss)	-	-
Propylene glycol 57-55-6	EC50: =19000mg/L (96h, Pseudokirchneriella subcapitata)	LC50: =51400mg/L (96h, Pimephales promelas) LC50: 41 - 47mL/L (96h, Oncorhynchus mykiss) LC50: =51600mg/L (96h, Oncorhynchus mykiss) LC50: =710mg/L (96h, Pimephales promelas)	-	EC50: >1000mg/L (48h, Daphnia magna)

**Persistence and degradability** No information available.

**Bioaccumulation** No information available.

**Component Information**

Chemical name	Partition coefficient
Glycerin 56-81-5	-1.76

**Mobility in soil** 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.

**14. Transport information**

<u>DOT</u>	Not regulated
<u>TDG</u>	Not regulated
<u>MEX</u>	Not regulated
<u>IATA</u>	Not regulated
<u>IMDG</u>	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.

#### **Legend:**

**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

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate 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 does not contain any Proposition 65 chemicals.

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

**US State Regulations**

Chemical name	New Jersey	Massachusetts	Pennsylvania
Glycerin 56-81-5	X	X	X
Propylene glycol 57-55-6	X	-	X

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. Other information**

<b>NFPA</b>	Health hazards 0	Flammability 0	Instability 0	Physical and chemical properties -
<b>HMIS</b>	Health hazards 0	Flammability 0	Physical hazards 0	Personal protection X

**Key or legend to abbreviations and acronyms used in the safety data sheet**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

**Key literature references and sources for data used to compile the SDS**

U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 EPA (Environmental Protection Agency)  
 Acute Exposure Guideline Level(s) (AEGL(s))  
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
 U.S. Environmental Protection Agency High Production Volume Chemicals  
 Food Research Journal  
 Hazardous Substance Database  
 International Uniform Chemical Information Database (IUCLID)  
 Japan GHS Classification  
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
 NIOSH (National Institute for Occupational Safety and Health)  
 National Library of Medicine's ChemID Plus (NLM CIP)  
 National Toxicology Program (NTP)  
 New Zealand's Chemical Classification and Information Database (CCID)  
 Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
 Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
 Organization for Economic Co-operation and Development Screening Information Data Set  
 World Health Organization

Issuing Date 04-Dec-2019

Revision Date 04-Dec-2019

Revision Note 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 Safety Data Sheet**

**Instant Hand Sanitizer Citrus Scent**

SDS Preparation Date (mm/dd/yyyy): 12/08/2016

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## SAFETY DATA SHEET

### SECTION 1. IDENTIFICATION

**Product identifier used on the label**

 : **Instant Hand Sanitizer Citrus Scent**
**Product Code(s)**

 : Bottles: 2.0 oz, 4.0 oz, 8 oz, 16 oz, 64oz  
 Bag-in-Box: 800 Milliliters

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

 : Personal Care Applications  
 Restriction on use: None known

**Chemical family**

: Mixture.

**Name, address, and telephone number of the supplier:**
**Safetec of America, Inc.**

 887 Kensington Avenue  
 Buffalo, NY, USA  
 14215

Supplier's Telephone # : 716-895-1822

24 Hr. Emergency Tel # : 1-800-255-3924

**Name, address, and telephone number of the manufacturer:**

Refer to supplier

### SECTION 2. HAZARDS IDENTIFICATION

**Classification of the chemical**

Translucent clear gel. Citrus odour.

This product is sold as a personal care item that is safe for consumers and other users under normal and reasonably foreseeable use. As such, it is not regulated under Hazcom 2012/WHMIS 2015 labeling and SDS requirements do not apply.

**Label elements**
*Signal Word*

Not required

*Hazard statement(s)*

Not required

*Precautionary statement(s)*

Not required

**Other hazards**

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

<u>Chemical name</u>	<u>Common name and synonyms</u>	<u>CAS #</u>	<u>Concentration (% by weight)</u>
Ethanol	Alcohol Ethyl alcohol	64-17-5	<b>60.0 - 65.0</b>
Triethanolamine	2,2',2''-Nitrilotriethanol Tris(2-hydroxyethyl)amine	102-71-6	<b>0.1 - 1.0</b>

Instant Hand Sanitizer Citrus Scent

SDS Preparation Date (mm/dd/yyyy): 12/08/2016

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## SAFETY DATA SHEET

### SECTION 4. FIRST-AID MEASURES

#### Description of first aid measures

- Ingestion* : Harmful effects are not expected under normal usage.  
*Inhalation* : Harmful effects are not expected under normal usage.  
*Skin contact* : Harmful effects are not expected under normal usage. If skin irritation or rash occurs: Get medical advice/attention.  
*Eye contact* : If in eyes: Rinse cautiously with water for several minutes. If eye irritation persists: get medical advice/attention.

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

- : None expected, when used as intended.

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

- : Treat symptomatically.

### SECTION 5. FIRE-FIGHTING MEASURES

#### Extinguishing media

- Suitable extinguishing media* : Dry chemicals. Foam. Carbon dioxide (CO<sub>2</sub>). Water or fog spray.

- Unsuitable extinguishing media* : Do not use water jet as extinguisher, as this will spread the fire.

#### Special hazards arising from the substance or mixture / Conditions of flammability

- : Flammable liquid and vapor. Vapors are heavier than air and may spread along floors.

#### Flammability classification (OSHA 29 CFR 1910.106)

- : Flammable Liquids - Category 3

#### Hazardous combustion products

- : Carbon oxides.

#### Special protective equipment and precautions for firefighters

- Protective equipment for fire-fighters* : Firefighters should wear an approved full-face, self-contained breathing apparatus (SCBA) and impervious clothing.

- Special fire-fighting procedures* : Cool containers exposed to heat with water spray and remove container, if no risk is involved.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

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

- : Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate personal protective equipment.

#### Environmental precautions

- : Avoid release to the environment.

#### Methods and material for containment and cleaning up

- : Wipe up with absorbent material (e.g. cloth, fleece).

#### Special spill response procedures

- : Not applicable.

### SECTION 7. HANDLING AND STORAGE

#### Precautions for safe handling

- : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking. Do not ingest or swallow. Observe good industrial hygiene practices.

#### Conditions for safe storage

- : Keep containers closed when not in use.

#### Incompatible materials

- : Strong oxidizing agents. Acids.

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### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Exposure Limits:</u>				
<u>Chemical Name</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
Ethanol	N/Av	1000 ppm	1000 ppm (1900 mg/m <sup>3</sup> )	N/Av
Triethanolamine	5 mg/m <sup>3</sup>	N/Av	N/Av	N/Av

#### Exposure controls

##### Ventilation and engineering measures

: None required under normal conditions.

##### Respiratory protection

: None required under normal conditions.

##### Skin protection

: None required under normal conditions.

##### Eye / face protection

: None required under normal conditions.

##### Other protective equipment

: None required when used as intended.

##### General hygiene considerations

: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** : Translucent clear gel.

**Odour** : Citrus odour.

**Odour threshold** : Not available.

**pH** : 6.3 - 8.1

**Melting/Freezing point** : Not available.

**Initial boiling point and boiling range**

: Not available.

**Flash point** : 81.0 °F (27.2 °C)

**Flashpoint (Method)** : Closed cup

**Evaporation rate (BuAe = 1)** : Not available.

**Flammability (solid, gas)** : Not applicable.

**Lower flammable limit (% by vol.)**

: 3.3%

**Upper flammable limit (% by vol.)**

: 19%

**Oxidizing properties** : Not applicable

**Explosive properties** : Not explosive

**Vapour pressure** : Not available.

**Vapour density** : Not available.

**Relative density / Specific gravity**

: 0.89

**Solubility in water** : Complete

**Other solubility(ies)** : Not available.

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### Partition coefficient: n-octanol/water or Coefficient of water/oil distribution

: Not available.

**Auto-ignition temperature** : Not available.

**Decomposition temperature** : Not available.

**Viscosity** : Not available.

**Volatiles (% by weight)** : Not available.

### Volatile organic Compounds (VOC's)

: Not available.

### Absolute pressure of container

: Not available.

**Flame projection length** : Not available.

### Other physical/chemical comments

: None known or reported by the manufacturer.

## SECTION 10. STABILITY AND REACTIVITY

**Reactivity** : The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical stability** : Material is stable under normal conditions.

### Possibility of hazardous reactions

: Hazardous polymerization does not occur.

**Conditions to avoid** : Keep away from heat, sparks and open flames.

**Incompatible materials** : See Section 7 (Handling and Storage) for further details.

### Hazardous decomposition products

: See Section 5 (Fire Fighting Measures).

## SECTION 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure:

**Routes of entry inhalation** : YES

**Routes of entry skin & eye** : YES

**Routes of entry Ingestion** : YES

### Routes of exposure skin absorption

: YES

### Potential Health Effects:

#### Signs and symptoms of short-term (acute) exposure

##### *Sign and symptoms Inhalation*

: None expected, when used as intended.

##### *Sign and symptoms ingestion*

: None expected, when used as intended.

##### *Sign and symptoms skin*

: None expected, when used as intended.

##### *Sign and symptoms eyes*

: None expected, when used as intended.

#### Potential Chronic Health Effects

: None expected, when used as intended.

**Mutagenicity** : Not expected to be mutagenic.

**Carcinogenicity** : This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

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**Reproductive effects & Teratogenicity**

: This product is not expected to cause reproductive or developmental effects.

**Sensitization to material** : Not expected to be a skin or respiratory sensitizer.

**Specific target organ effects** : None expected, when used as intended.

**Medical conditions aggravated by overexposure**

: None reported by the manufacturer.

**Synergistic materials** : None reported by the manufacturer.

**Toxicological data** : See below for individual ingredient acute toxicity data.

<u>Chemical name</u>	<u>LC<sub>50</sub>(4hr)</u> <u>inh, rat</u>	<u>LD<sub>50</sub></u>	
		<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Ethanol	> 32 380 ppm (61 mg/L) 4 hours (vapour)	7060 mg/kg	> 15 800 mg/kg
Triethanolamine	N/Av	6110 mg/kg	> 19 870 mg/kg

**Other important toxicological hazards**

: None known or reported by the manufacturer.

### SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity** : The product is not classified as environmentally hazardous. Avoid release to the environment.

**Ecotoxicity data:**

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Fish</u>		
		<u>LC50 / 96h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
Ethanol	64-17-5	> 100 mg/L Fathead minnow (Pimephales promelas)	N/Av	N/Av
Triethanolamine	102-71-6	11 800 mg/L Fathead minnow (Pimephales promelas)	N/Av	N/Av

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Daphnia</u>		
		<u>EC50 / 48h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
Ethanol	64-17-5	5012 mg/L Water flea (Daphnia magna)	N/Av	N/Av
Triethanolamine	102-71-6	609.88 mg/L Water flea (Ceriodaphnia dubia)	16 mg/L Water flea (Daphnia magna)	N/Av



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<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Algae</u>		
		<u>EC50 / 96h or 72h</u>	<u>NOEC / 96h or 72h</u>	<u>M Factor</u>
Ethanol	64-17-5	1000 mg/L/96hr Green algae (Selenastrum capricornutum)	N/Av	N/Av
Triethanolamine	102-71-6	512 mg/L/72hr Green algae (Desmodesmus subspicatus)	N/Av	N/Av

**Persistence and degradability**

: Not available.

**Bioaccumulation potential**

: Not available.

<u>Components</u>	<u>Partition coefficient n-octanol/water (log Kow)</u>	<u>Bioconcentration factor (BCF)</u>
Ethanol (CAS 64-17-5)	-0.31	N/Av
Triethanolamine (CAS 102-71-6)	-2.53	<3.9 BCF method: OECD 305C

**Mobility in soil**

: Not available.

**Other Adverse Environmental effects**

: None known or reported by the manufacturer.

### SECTION 13. DISPOSAL CONSIDERATIONS

**Handling for Disposal**

: Dispose of in accordance with local regulations.

**Methods of Disposal**

: Dispose of in accordance with local regulations.

**RCRA**

: Not applicable.






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### SECTION 14. TRANSPORTATION INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
49CFR/DOT	UN1170	ETHANOL SOLUTION None Known.	New LTD QTY	III	
<b>49CFR/DOT Additional information</b>	May be shipped as a Limited Quantity when transported in containers no larger than 5 L (1.3 gallons); in packages not exceeding 30 kg (66 pounds) gross mass.				
ICAO/IATA	UN1170	Ethanol Solution	LQ air	III	 
<b>ICAO/IATA Additional information</b>	Refer to ICAO/IATA Packing Instruction May be shipped as a Limited Quantity when transported in containers no larger than 5 L (1.3 gallons); in packages not exceeding 30 kg (66 pounds) gross mass.				
IMDG	UN1170	ETHANOL SOLUTION	LQ ground	III	
<b>IMDG Additional information</b>	Consult the IMDG regulations for exceptions. May be shipped as a Limited Quantity when transported in containers no larger than 5 L (1.3 gallons); in packages not exceeding 30 kg (66 pounds) gross mass.				
TDG	UN1170	ETHANOL SOLUTION	LQ ground	III	
<b>TDG Additional information</b>	May be shipped as a Limited Quantity when transported in containers no larger than 5 L (1.3 gallons); in packages not exceeding 30 kg (66 pounds) gross mass.				

**Special precautions for user** : Keep away from heat and flame.

**Environmental hazards** : This product does not meet the criteria for an environmentally hazardous mixture, according to the IMDG Code. See Section 12 for more environmental information.

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

: Not established.

### SECTION 15 - REGULATORY INFORMATION

**US Federal Information:**

Components listed below are present on the following U.S. Federal chemical lists:

Ingredients	CAS #	TSCA Inventory	CERCLA Reportable Quantity(RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	
					Toxic Chemical	de minimus Concentration
Ethanol	64-17-5	Yes	N/Ap	N/Ap	No	N/Ap
Triethanolamine	102-71-6	Yes	N/Ap	N/Ap	No	N/Ap

SARA TITLE III: Sec. 313, Toxic Chemicals Notification, 40 CFR 372: Fire Hazard; Acute Health Hazard Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds or the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

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### US State Right to Know Laws:

The following chemicals are specifically listed by individual States:

<u>Ingredients</u>	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Ethanol	64-17-5	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes
Triethanolamine	102-71-6	No	N/Ap	No	Yes	Yes	Yes	Yes	Yes

### Canadian Information:

All components of this product are on the Canadian DSL list.  
WHMIS Classification: See Section 2.

### International Information:

Components listed below are present on the following International Inventory list:

<u>Ingredients</u>	CAS #	European EINECs	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
Ethanol	64-17-5	200-578-6	Present	Present	(2)-202	KE-13217	Present	HSR001144
Triethanolamine	102-71-6	203-049-8	Present	Present	(2)-308	KE-25940	Present	HSR002785

## SECTION 16. OTHER INFORMATION

### Legend

: ACGIH: American Conference of Governmental Industrial Hygienists  
 CA: California  
 CAS: Chemical Abstract Services  
 CEPA: Canadian Environmental Protection Act  
 CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980  
 CFR: Code of Federal Regulations  
 CPR: Controlled Products Regulation  
 CSA: Canadian Standards Association  
 DOT: Department of Transportation  
 DSL: Domestic Substances List  
 EPA: Environmental Protection Agency  
 HMIS: Hazardous Materials Identification System  
 HPA: Hazardous Products Act  
 HSDB: Hazardous Substances Data Bank  
 IARC: International Agency for Research on Cancer  
 IATA: International Air Transport Association  
 ICAO: International Civil Aviation Organisation  
 IMDG: International Maritime Dangerous Goods  
 Inh: Inhalation  
 LC: Lethal Concentration  
 LD: Lethal Dose  
 MA: Massachusetts  
 MN: Minnesota  
 N/Ap: Not Applicable  
 N/Av: Not Available  
 NFPA: National Fire Protection Association

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NIOSH: National Institute of Occupational Safety and Health  
 NJ: New Jersey  
 NOEC: No observable effect concentration  
 NTP: National Toxicology Program  
 OECD: Organisation for Economic Co-operation and Development  
 OEL: National occupational exposure limits  
 OSHA: Occupational Safety and Health Administration  
 PA: Pennsylvania  
 PEL: Permissible exposure limit  
 PPE: Personal Protective Equipment  
 RCRA: Resource Conservation and Recovery Act  
 RI: Rhode Island  
 RQ: Reportable Quantity  
 RTECS: Registry of Toxic Effects of Chemical Substances  
 SARA: Superfund Amendments and Reauthorization Act  
 SDS: Safety Data Sheet  
 STEL: Short Term Exposure Limit  
 TDG: Canadian Transportation of Dangerous Goods Act & Regulations  
 TLV: Threshold Limit Values  
 TWA: Time Weighted Average  
 WEL: Workplace Exposure Limit  
 WHMIS: Workplace Hazardous Materials Identification System

**References**

- : 1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices for 2016
- 2. International Agency for Research on Cancer Monographs, searched 2016
- 3. Canadian Centre for Occupational Health and Safety, CCInfoWeb databases, 2016(Chempendium, HSDB and RTECs).
- 4. Material Safety Data Sheets from manufacturer.
- 5. US EPA Title III List of Lists - 2016 version.
- 6. California Proposition 65 List - 2016 version.
- 7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal,2016.

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**Other special considerations for handling**

: Provide adequate information, instruction and training for operators.

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