

# SAFETY DATA SHEET

## 1. Identification

**Product identifier** Antiseptic Spray  
**Other means of identification** Not available.  
**Recommended use** Not available.  
**Recommended restrictions** None known.

### Manufacturer/Importer/Supplier/Distributor information

#### Manufacturer

**Manufacturer:** Safetec of America, Inc.  
887 Kensington Avenue  
Buffalo, NY 14215  
**Company Telephone:** 1-716-895-1822  
**E-mail Address:** www.safetec.com  
**Emergency Telephone:** 1-800-255-3924  
**Supplier** Refer to Manufacturer

## 2. Hazard(s) identification

**Physical hazards** Flammable liquids Category 3  
**Health hazards** Serious eye damage/eye irritation Category 2A  
 Specific target organ toxicity, single exposure Category 3 narcotic effects  
**Environmental hazards** This mixture does not meet the classification criteria according to OSHA HazCom 2012.  
**OSHA defined hazards** This mixture does not meet the classification criteria according to OSHA HazCom 2012.

### Label elements



**Signal word** Danger  
**Hazard statement** Flammable liquid and vapor. Causes serious eye irritation. May cause drowsiness or dizziness.  
**Precautionary statement**  
**Prevention** Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing mist or vapor. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.  
**Response** If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center/doctor if you feel unwell. If eye irritation persists: Get medical advice/attention. In case of fire: Use appropriate media for extinction.  
**Storage** Keep cool. Store in a well-ventilated place. Keep container tightly closed.  
**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.  
**Hazard(s) not otherwise classified (HNOC)** None known.  
**Supplemental information** None.

## 3. Composition/information on ingredients

### Mixtures

Chemical name	Common name and synonyms	CAS number	%
Isopropanol	Dimethyl carbinol 2-Propanol Isopropyl alcohol Propan-2-ol	67-63-0	50
Benzocaine	Not available	94-09-7	5.2
Benzalkonium Chloride	Not available	63449-41-2	0.1

#### 4. First-aid measures

<b>Inhalation</b>	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms persist.
<b>Skin contact</b>	Wash off with warm water and soap. Get medical attention if symptoms occur.
<b>Eye contact</b>	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms persist.
<b>Ingestion</b>	If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting without advice from poison control center. Get medical attention.
<b>Most important symptoms/effects, acute and delayed</b>	Causes serious eye irritation. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. May cause drowsiness or dizziness.
<b>Indication of immediate medical attention and special treatment needed</b>	Treat symptomatically.

#### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water. Water Spray or Fog. Dry chemicals. Foam. Carbon dioxide (CO2).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	The product is combustible, and heating may generate vapors which may form explosive vapor/air mixtures. Thermal decomposition or combustion may liberate toxic gases or fumes.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire fighting equipment/instructions</b>	Cool containers exposed to heat with water spray and remove container, if no risk is involved.
<b>General fire hazards</b>	Flammable liquid and vapor.
<b>Hazardous combustion products</b>	Carbon oxides. Other unidentified organic compounds.

#### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep unnecessary personnel away. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For personal protection, see section 8 of the SDS.
<b>Methods and materials for containment and cleaning up</b>	Absorb spill with vermiculite or other inert material, then place in a sealed container for chemical waste.  Large Spills: Flush with plenty of water. Prevent entry into waterways, sewer, basements or confined areas. Dike for later disposal.  Small Spills: Clean up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
<b>Environmental precautions</b>	Avoid discharge into drains, water courses or onto the ground.

#### 7. Handling and storage

<b>Precautions for safe handling</b>	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Eliminate all sources of ignition. Take precautionary measures against static discharges. Ground/bond container and receiving equipment. Use explosion-proof equipment. Use only non-sparking tools. When using, do not eat, drink or smoke. Wear appropriate personal protective equipment. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Use only with adequate ventilation. Wash thoroughly after handling.
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**Conditions for safe storage, including any incompatibilities**

Do not store around flammable or combustible materials. Store in tightly closed original container in a well-ventilated place. Keep cool. Store locked up.

## 8. Exposure controls/personal protection

### Occupational exposure limits

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

Components	Type	Value
Isopropanol (CAS 67-63-0)	PEL	980 mg/m3 400 ppm

#### US. ACGIH Threshold Limit Values

Components	Type	Value
Isopropanol (CAS 67-63-0)	STEL	400 ppm
	TWA	200 ppm

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

Components	Type	Value
Isopropanol (CAS 67-63-0)	STEL	1225 mg/m3 500 ppm
	TWA	980 mg/m3 400 ppm

### Biological limit values

#### ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
Isopropanol (CAS 67-63-0)	40 mg/l	Acetone	Urine	*

\* - For sampling details, please see the source document.

### Appropriate engineering controls

Explosion-proof general and local exhaust ventilation.

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

**Eye/face protection** Wear safety glasses with side shields (or goggles).

#### Skin protection

**Hand protection** Chemical resistant gloves recommended.

#### Other

Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health or safety professional or manufacturer for specific information.

#### Respiratory protection

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Contact health and safety professional or manufacturer for specific information.

#### Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

### General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

### Appearance

**Physical state** Liquid.

**Form** Off-white liquid.

**Color** Off-white.

**Odor** Antiseptic odor.

**Odor threshold** Not available.

**pH** 7

**Melting point/freezing point** Not available.

**Initial boiling point and boiling range** No data.

**Flash point** 91.0 °F (32.8 °C) Cleveland Open Cup

**Evaporation rate** Not available.

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

**Upper/lower flammability or explosive limits**

**Flammability limit - lower (%)** 2.5 %

**Flammability limit - upper (%)** 11.8 %

**Explosive limit - lower (%)** Not available.

**Explosive limit - upper (%)** Not available.

**Vapor pressure** Not available.

**Vapor density** Not available.

**Relative density** Not available.

**Solubility(ies)**

**Solubility (water)** Slightly soluble.

**Partition coefficient (n-octanol/water)** Not available.

**Auto-ignition temperature** Not available.

**Decomposition temperature** Not available.

**Viscosity** Not available.

**Other information**

**Percent volatile** No data.

**Specific gravity** 0.98

**10. Stability and reactivity**

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

**Chemical stability** Stable at normal conditions.

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

**Conditions to avoid** Keep away from heat, sparks and open flame. High temperatures.

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

**Hazardous decomposition products** Carbon oxides. Organic compounds.

**11. Toxicological information**

**Information on likely routes of exposure**

**Inhalation** May cause drowsiness or dizziness.

**Skin contact** Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

**Eye contact** Causes serious eye irritation.

**Ingestion** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Most important symptoms/effects, acute and delayed** Causes serious eye irritation. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. May cause drowsiness or dizziness.

**Information on toxicological effects**

**Acute toxicity** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

<b>Components</b>	<b>Species</b>	<b>Test Results</b>
Isopropanol (CAS 67-63-0)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	12890 mg/kg
<i>Inhalation</i>		
LC50	Rat	17000 ppm, 4 hours (vapor) 41.8 mg/l, 4 hours (vapor)

Components	Species	Test Results
<i>Oral</i> LD50	Rat	4720 mg/kg
<b>Skin corrosion/irritation</b>	Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.	
<b>Serious eye damage/eye irritation</b>	Causes serious eye irritation.	
<b>Respiratory or skin sensitization</b>		
<b>Respiratory sensitization</b>	This product is not expected to cause respiratory sensitization.	
<b>Skin sensitizer</b>	This product is not expected to cause skin sensitization.	
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
<b>Carcinogenicity</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.	
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>		
Not listed.		
<b>Reproductive toxicity</b>	This product is not expected to cause reproductive effects.	
<b>Specific target organ toxicity - single exposure</b>	May cause drowsiness or dizziness.	
<b>Specific target organ toxicity - repeated exposure</b>	Not classified as a specific target organ toxicity -repeated exposure.	
<b>Aspiration toxicity</b>	Not expected to be an aspiration hazard.	

## 12. Ecological information

**Ecotoxicity** The product is not classified as environmentally hazardous.

Components	Species	Test Results
Isopropanol (CAS 67-63-0)		
<b>Aquatic</b>		
<i>Acute</i>		
Crustacea	EC50	Water flea (Daphnia magna) 1400 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas) 9640 mg/l, 96 hours
<i>Chronic</i>		
Crustacea	NOEC	Water flea (Daphnia magna) 30 mg/l, 21 days
<b>Persistence and degradability</b>	Not available.	
<b>Bioaccumulative potential</b>	Not available.	
<b>Partition coefficient n-octanol / water (log Kow)</b>		
Isopropanol	0.05	
<b>Bioconcentration factor (BCF)</b>		
Isopropanol	1	

**Mobility in soil** Not available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## 14. Transport information

### DOT

UN number	UN1993
UN proper shipping name	Flammable liquids, n.o.s. (Isopropanol RQ = 200 LBS)
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
Packing group	III
Special precautions for user	Not available.
Special provisions	B1, B52, IB3, T4, TP1, TP29
Packaging exceptions	150
Packaging non bulk	203
Packaging bulk	242

### IATA

UN number	UN1993
UN proper shipping name	Flammable liquid, n.o.s. (Isopropanol)
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	III
Environmental hazards	No.
ERG Code	3L
Special precautions for user	Not available.
Other information	
Passenger and cargo aircraft	Allowed.
Cargo aircraft only	Allowed.

### IMDG

UN number	UN1993
UN proper shipping name	FLAMMABLE LIQUID, N.O.S. (Isopropanol)
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	III
Environmental hazards	
Marine pollutant	No.
EmS	F-E, <u>S-E</u>
Special precautions for user	Not available.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not available.

### DOT





## 15. Regulatory information

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

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

Not regulated.

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

Isopropanol (CAS 67-63-0) Listed.

### SARA 304 Emergency release notification

Not regulated.

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

Not listed.

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

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

### SARA 302 Extremely hazardous substance

Not listed.

**SARA 311/312 Hazardous chemical** Yes

### SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
Isopropanol	67-63-0	50

### Other federal regulations

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

Not regulated.

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

Not regulated.

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

### US state regulations

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

Not listed.

#### US. Massachusetts RTK - Substance List

Isopropanol (CAS 67-63-0)

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

Isopropanol (CAS 67-63-0)

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

Isopropanol (CAS 67-63-0)

#### US. Rhode Island RTK

Isopropanol (CAS 67-63-0)

#### US. California Proposition 65

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

## International Inventories

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

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

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

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

**Issue date** 02-23-2015

**Version #** 01

**Disclaimer** Prepared by: ICC The Compliance Center Inc. 1-888-442-9628  
<http://www.thecompliancecenter.com>

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### Revision Information

Composition / Information on Ingredients: Ingredients  
Physical & Chemical Properties: Multiple Properties  
Transport Information: Proper Shipping Name/Packing Group

### Bibliography

ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices (2014)  
Canadian Centre for Occupational Health and Safety, CInfoWeb Databases, 2014  
(Chempendium, RTECs, HSDB, INCHEM)  
European Chemicals Bureau, Existing Chemicals Work Area, EINECS Information System, 2014.  
Material Safety Data Sheet from manufacturer.  
OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2014.



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### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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Product Identifier #003

Product Name Burn Jel

Product Use Topical Skin Preparation

Manufacturer Water Jel Technologies LLC  
50 Broad Street  
Carlstadt, New Jersey 07072

Telephone 201-507-8300

E-mail Address [www.waterjel.com](http://www.waterjel.com)

Emergency Telephone 1-800-275-3433

FAX Number 201-507-8325

Issue Date: 08-25-2015

### SECTION 2: HAZARDS IDENTIFICATION

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#### Emergency Overview:

This product is regulated by the US FDA as an over-the-counter, monograph drug.

For Consumers, consult the Drug Facts on the package for use directions and warnings information.

#### Warnings: For External Use Only.

When using this product, avoid contact with the eyes.

Do not use on large areas of the body or on broken, blistered or oozing skin.

Stop use and ask a doctor if condition worsens or symptoms persist for more than 7 days.

If swallowed, get medical help or contact a Poison Control Center immediately.

Physical Hazards: This mixture does not meet the classification criteria according to OSHA Hazcom 2012.  
Health Hazards: This mixture does not meet the classification criteria according to OSHA Hazcom 2012.  
Environmental Hazards: This mixture does not meet the classification criteria according to OSHA Hazcom 2012.  
OSHA Defined Hazards: This mixture does not meet the classification criteria according to OSHA Hazcom 2012.

#### Label Elements:

Hazard Symbol: None

Signal Word: None

Hazard Statement: The mixture does not meet the criteria for classification.

#### Precautionary Statement:

Prevention None required according to OSHA Hazcom 2012.

Response None required according to OSHA Hazcom 2012.

Storage None required according to OSHA Hazcom 2012.

Disposal None required according to OSHA Hazcom 2012.

#### Hazards not otherwise

Classified (HNOC): None known.

Supplemental Information: None.



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### Route of Entry:

**Skin Contact:** May cause irritation, redness, inflammation or dryness.  
**Skin Absorption:** No adverse conditions expected.  
**Eye Contact:** Flush eyes with clear running water for a minimum of 15 minutes; if irritation persists, seek medical attention.  
**Inhalation:** Unlikely route of exposure.  
**Ingestion:** May cause irritation of the digestive tract.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### Mixtures

Chemical Name	Common Name and Synonyms	CAS Number	%
Lidocaine HCl	Lidocaine HCl	6108-05-0	2
Glycerin	1, 2, 3, Propanetriol	56-81-5	Proprietary
Triethanolamine	Trolamine	102-71-6	Proprietary
Propylene Glycol	1, 2, 3, Propanetriol 2-Hydroxypropanol	57-55-6	Proprietary

### SECTION 4: FIRST AID MEASURES

**Skin Contact:** Wash off with warm water and soap. Get medical attention if symptoms occur.  
**Skin Absorption:** No adverse conditions expected.  
**Eye Contact:** Flush eyes with clear running water for a minimum of 15 minutes; if irritation persists, seek medical attention.  
**Inhalation:** Unlikely route of exposure.  
**Ingestion:** May cause irritation of the digestive tract.

### SECTION 5: FIRE-FIGHTING MEASURES

**Flammable:** No  
**Means of Extinction:** Use extinguishing media appropriate for surrounding fire. Use water spray, foam or dry chemical.  
In fires involving large quantities of this product, the use of large streams of water should be avoided.  
Use self-contained breathing apparatus when fighting fires that involve this material.

**Flash Point and Method:** NA  
**Upper Flammable Limit (% by volume):** NA  
**Lower Flammable Limit (% by volume):** NA  
**Autoignition Temperature (°C):** NA  
**Explosion Data – Sensitivity to Impact:** No unusual fire or explosion hazards noted.  
**Explosion Data – Sensitivity to Static Discharge:** No unusual fire or explosion hazards noted.  
**Hazardous Combustion Products:** Carbon oxides. Nitrogen Oxides (NOx).

NFPA Health 1 Fire 0 Reactivity 0 Other NA



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### SECTION 6: ACCIDENTAL RELEASE MEASURES

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Personal precautions,  
Protective equipment and  
Emergency procedures:      Wear appropriate personal protective equipment.

Methods and materials  
for containment  
and clean up:                      Absorb spill with vermiculite or other inert material, then place in a sealed container for  
chemical waste.

Large Spills: Flush with plenty of water. Prevent entry into waterways, sewer, basements or  
confined areas. Dike for later disposal.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to  
remove residual contamination.

Environmental Precautions:              Avoid discharge into drains and water sources.

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### SECTION 7: HANDLING AND STORAGE

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Handling Procedures and Equipment:              Keep this and other chemicals out of the reach of children.

Storage Temperature:                              Do not store or mix with strong acids or oxidizers. Store at room  
temperature.

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### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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Occupational Exposure Limits:

Components	ACGIH-TLVs	OSHA-PELs	NIOSH	Form
Lidocaine HCl (CAS 6108-05-0)	NE	NE	NE	NE
Glycerin (CAS 57-55-8)	NE	5 mg/m3		Aerosol
Propylene Glycol (CAS 57-55-6)	10 mg/m3	NE	NE	Aerosol
Triethanolamine (CAS 102-71-6)	5 mg/m3	NE	NE	Aerosol

Biological Limit Values:      No biological Exposure limits noted for the ingredients.

Ventilation and Engineering Controls:              Ensure adequate ventilation.

Personal Protective Equipment:              None required under normal conditions  
Hand Protection:                              None required under normal conditions.  
Eye and Face Protection:                      Eye protection, as necessary to prevent excessive contact.

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

**General Hygiene Considerations:** Practice safe work habits.

**Other Protective Equipment:** Eye wash stations should be nearby and ready to use.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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**Appearance:** Gel.  
**Physical State:** Gel.  
**Form:** Gel.  
**Color:** Opaque, white.  
**Odor:** Medicinal scent.

**pH:** No information available.  
**Boiling Point:** 212°F  
**Melting Point:** No information available.  
**Flash Point:** N/A

**Explosive Properties:** No information available.  
**Oxidizing Properties:** No information available.  
**Specific Gravity:** 0.997  
**Water Solubility:** Soluble.  
**Partition Coefficient:** No information available.  
**Viscosity:** No information available.  
**Vapor Pressure (mm Hg):** No information available.  
**Vapor Density (Air=1):** No information available.  
**Evaporation Rate:** No information available.  
**% Volatile:** No information available.

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**SECTION 10: STABILITY AND REACTIVITY**

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**Reactivity:** The product is stable and non-reactive under normal conditions of use.  
**Chemical Stability:** Stable at normal conditions.  
**Possibility of Hazardous Reactions:** Hazardous polymerization does not occur.  
**Conditions to Avoid:** Extreme heat.  
**Materials to Avoid:** Strong oxidants and strong acids.  
**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide.  
**Hazardous Polymerization:** Will not occur.

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**SECTION 11: TOXICOLOGICAL INFORMATION**

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**Symptoms of Overexposure by Route of Exposure:**  
The health hazard information provided is for handling this product in an occupational setting.

**Effects of Acute and Chronic Exposure:**

**Acute:** The primary health effect that may be experienced in an occupational setting is mild irritation of contaminated skin. Accidental ingestion may be harmful. Although unlikely, irritation can irritate the respiratory system. Eye contact will cause irritation.

**Chronic:** NE

**Target Organs:** **Acute:** Occupational exposure: Skin, eyes.  
**Chronic:** Occupational exposure: Skin.



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**Inhalation:**

Although unlikely due to form of product, vapors may slightly irritate the nose, throat and lungs. Symptoms are generally alleviated upon breathing fresh air.

**Skin Contact:**

Skin contact may cause burning sensation, stinging, itching and tingling.

**Eye Contact:**

Eye contact can cause irritation, stinging, redness and tearing.

**Ingestion:**

Ingestion is not a significant route of occupational overexposure. Acute ingestion of large quantities of this product or chronic ingestion may cause adverse symptoms that may include nausea, vomiting and diarrhea.

**Irritancy of the Product:**

This product may cause mild to moderate irritation on damaged skin.

**Skin Sensitization:**

Not expected.

**Respiratory Sensitization:**

Not likely due to form of product.

**LD50/LC50:**

**Propylene Glycol (CAS 57-55-6)**

- Oral (rat): 2200mg/k
- Dermal: (rabbit) 20800 mg/k

**Triethanolamine:**

- Oral (rat): 6110 mg/kg
- Dermal: (rabbit): >19870 mg/k

**Glycerin (Mist):**

- Oral (rat): 12,600 mg/kg
- Subcutaneous (rat): Not Available

**Carcinogenicity:** Not classified as a human carcinogen by IARC or ACGIH.

**Reproductive Toxicity:**

**Mutagenic/Embryo Toxicity:** The components of this product are not reported to cause mutagenic or embryonic effects in humans.

**Teratogenicity:** Not available.

**Reproductive Toxicity:** Not available.

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### SECTION 12: ECOLOGICAL INFORMATION

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No specific information is currently available on the effect of this product on plants or animals in the environment. The product may be harmful to contaminated terrestrial and aquatic plant life in large quantities. The following aquatic toxicity data currently available for components of this product:

**Propylene Glycol:**

EC50 Green Algae (*Desmodesmus subspicatus*) 19000 mg/l 96 hours



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EC50 Water Flea (*Daphnia magna*) 43500 mg/l 48 hours  
LC 50 Fathead Minnow (*Pimephales promelas*) 46500 mg/l 96 hours

Triethanolamine:

EC50 Green Algae (*Desmodesmus subspicatus*) 512 mg/l 72 hours  
NOEC Water Flea (*Daphnia magna*) 16 mg/l 21 days  
LC 50 Fathead Minnow (*Pimephales promelas*) 11800 mg/l 96 hours

Environmental Exposure Controls: Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways.

No component of this product is known to have ozone depletion potential.

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### SECTION 13: DISPOSAL CONSIDERATIONS

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Disposal Instructions: Collect or dispose in sealed containers at licensed waste disposal site.  
Dispose in accordance with local, state and federal regulations.

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### SECTION 14: TRANSPORT INFORMATION

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DOT Classification: Not regulated for Domestic Transport.  
IATA Classification: Not regulated for International Transport.  
IMDG Classification: Not regulated for International Water Transport.

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### SECTION 15: REGULATORY INFORMATION

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U.S. Federal Regulations:

TSCA (TOXIC SUBSTANCE CONTROL ACT): Not regulated.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Not listed.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT) 304: Not regulated.

SARA 311/312 HAZARD CATEGORIES: Not regulated.

SARA 313 REPORTABLE INGREDIENTS: Not listed.

STATE REGULATIONS:

California Prop 65:

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

New Jersey RTK:

Glycerin (CAS 56-81-5)  
Propylene Glycol (CAS 57-55-6)  
Triethanolamine (CAS 102-71-6)

Massachusetts RTK:

Triethanolamine (CAS 102-71-6)

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**SAFETY DATA SHEET**

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Pennsylvania RTK:  
Propylene Glycol (CAS 57-55-6)  
Triethanolamine (CAS 102-71-6)

**INTERNATIONAL REGULATIONS:**

<u>Country or Region</u>	<u>Inventory Name</u>	<u>Listed</u>
Australia	Australia Inventory of Chemical Substances	No
Canada	Domestic Substance List (DSL)	Yes
Canada	Non-Domestic Substance List (NDSL)	No
China:	Inventory of Existing Chemical Substances In China (IECSC)	Yes
Europe	European List of Notified Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substance Control Act (TSCA) Inventory	No

Note: A "Yes" indicates that all components comply with the inventory requirements administered by the governing country.  
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country.

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**SECTION 16: OTHER INFORMATION**

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Issue Date: 08-25-2015

Version: 02

**Disclaimer:**

The information provided in this Safety Data Sheet (SDS) is accurate to the best of our knowledge. 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 processes.



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**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

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**Product Identifier** #008

**Product Name** Hand Sanitizer

**Product Use** Topical Skin Preparation

**Manufacturer** Water Jel Technologies LLC  
50 Broad Street  
Carlstadt, New Jersey 07072

**Telephone** 201-507-8300  
**E-mail Address** [www.waterjel.com](http://www.waterjel.com)  
**Emergency Telephone** 1-800-275-3433  
**FAX Number** 201-507-8325

**Issue Date:** 08-25-2015

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**SECTION 2: HAZARDS IDENTIFICATION**

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**Emergency Overview:**

This product is regulated by the US FDA as an over-the-counter, monograph drug.

For Consumers, consult the Drug Facts on the package for use directions and warnings information.

**Warnings: For External Use Only.**

When using this product, avoid contact with the eyes.

Do not use on large areas of the body or on broken, blistered or oozing skin.

Stop use and ask a doctor if condition worsens or symptoms persist for more than 7 days.

If swallowed, get medical help or contact a Poison Control Center immediately.

**Physical Hazards:** Flammable liquid Category 3.  
**Health Hazards:** Serious eye damage/eye irritation Category 2A.  
Specific target organ toxicity, single exposure Category 3 narcotic effects.  
**Environmental Hazards:** This mixture does not meet the classification criteria according to OSHA Hazcom 2012.  
**OSHA Defined Hazards:** This mixture does not meet the classification criteria according to OSHA Hazcom 2012.

**Label Elements:**

**Hazard Symbol:**

**Signal Word:** Danger

**Hazard Statement:** Flammable liquid and vapor. Causes serious eye irritation. May cause drowsiness or dizziness.

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**Precautionary Statement:**

Prevention	Keep away from heat, sparks, open flames or hot surfaces. No smoking. Ground bond container and receiving equipment. Use explosion proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Use only in well ventilated area. Wear protective gloves, clothing and eye and face protection. Avoid breathing mist or vapor. Wash Hands thoroughly after handling.
Response	If on skin: Take off contaminated clothing. Rinse skin with water. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a Poison Center. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses and continue rinsing. If eye irritation persists get medical attention.
Storage	Store in well ventilated area. Keep container tightly closed. Keep cool.
Disposal	Dispose of contents/container in accordance with local, state, federal regulations.

**Hazards not otherwise****Classified (HNOC):** None known.**Supplemental Information:** None.**Route of Entry:**

**Skin Contact:** May cause minor irritation, redness, inflammation or dryness.  
**Skin Absorption:** No adverse conditions expected.  
**Eye Contact:** May cause severe eye irritation.  
**Inhalation:** May cause irritation of the upper respiratory tract.  
**Ingestion:** May cause irritation of the digestive tract.

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

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**Mixtures**

Chemical Name	Common Name and Synonyms	CAS Number	%
Ethyl Alcohol	Ethanol	64-17-5	62.0
Propylene Glycol	1, 2, 3, Propanetriol 2-Hydroxypropanol	57-55-6	Proprietary

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**SECTION 4: FIRST AID MEASURES**

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**Skin Contact:** Wash off with warm water and soap. Get medical attention if symptoms occur.  
**Skin Absorption:** No adverse conditions expected.  
**Eye Contact:** Flush eyes with clear running water for a minimum of 15 minutes; if irritation persists, seek medical attention.  
**Inhalation:** Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms persist.  
**Ingestion:** If swallowed, rinse mouth with water. Do not induce vomiting. Get medical attention.

## SAFETY DATA SHEET

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### SECTION 5: FIRE-FIGHTING MEASURES

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**Flammable:** Yes

**Means of Extinction:** Use extinguishing media appropriate for surrounding fire. Use water spray, foam or dry chemical.  
In fires involving large quantities of this product, the use of large streams of water should be avoided.  
Use self-contained breathing apparatus when fighting fires that involve this material.

**Flash Point and Method:** NA

**Upper Flammable Limit (% by volume):** NA

**Lower Flammable Limit (% by volume):** NA

**Autoignition Temperature (°C):** NA

**Explosion Data – Sensitivity to Impact:** No unusual fire or explosion hazards noted.

**Explosion Data – Sensitivity to Static Discharge:** No unusual fire or explosion hazards noted.

**Hazardous Combustion Products:** Carbon oxides. Nitrogen Oxides (NOx).

**NFPA**    **Health 2**            **Fire 3**            **Reactivity 0**            **Other NA**

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### SECTION 6: ACCIDENTAL RELEASE MEASURES

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**Personal precautions,  
Protective equipment and  
Emergency procedures:** Wear appropriate personal protective equipment.

**Methods and materials  
for containment  
and clean up:**

Absorb spill with vermiculite or other inert material, then place in a sealed container for chemical waste.

**Large Spills:** Flush with plenty of water. Prevent entry into waterways, sewer, basements or confined areas. Dike for later disposal.

**Small Spills:** Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

**Environmental Precautions:** Avoid discharge into drains and water sources.

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### SECTION 7: HANDLING AND STORAGE

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**Handling Procedures and Equipment:** Keep this and other chemicals out of the reach of children.

**Storage Temperature:** Do not store or mix with strong acids or oxidizers. Store at room temperature.



## SAFETY DATA SHEET

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Occupational Exposure Limits:

Components	ACGIH-TLVs	OSHA-PELs
Ethyl Alcohol (CAS 64-17-5)	1000 ppm TWA (1900 mg/m <sup>3</sup> )	1000 ppm TWA (1900 mg/m <sup>3</sup> )
Propylene Glycol (CAS 57-55-6)	10 mg/m <sup>3</sup>	NE

**Aerosol Biological Limit Values:** No biological Exposure limits noted for the ingredients.

**Ventilation and Engineering Controls:** Ensure adequate ventilation.

**Personal Protective Equipment:** None required under normal conditions  
**Hand Protection:** None required under normal conditions.  
**Eye and Face Protection:** Eye protection, as necessary to prevent excessive contact.  
**Skin Protection:** None required under normal conditions.

**General Hygiene Considerations:** Practice safe work habits.  
**Other Protective Equipment:** Eye wash stations should be nearby and ready to use.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Gel.  
**Physical State:** Gel.  
**Form:** Gel.  
**Color:** Clear.  
**Odor:** Mild alcoholic.  
**pH:** No information available.  
**Boiling Point:** 175°F  
**Melting Point:** No information available.  
**Flash Point:** 72°F closed cup  
**Explosive Properties:** No information available.  
**Oxidizing Properties:** No information available.  
**Specific Gravity:** 0.90  
**Water Solubility:** Soluble.  
**Partition Coefficient:** No information available.  
**Viscosity:** No information available.  
**Vapor Pressure (mm Hg):** 40  
**Vapor Density (Air=1):** 1.6  
**Evaporation Rate:** >1  
**% Volatile:** 100

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**SAFETY DATA SHEET**

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**SECTION 10: STABILITY AND REACTIVITY**

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Reactivity: The product is stable and non-reactive under normal conditions of use.  
Chemical Stability: Stable at normal conditions.  
Possibility of Hazardous Reactions: Hazardous polymerization does not occur.  
Conditions to Avoid: Extreme heat and sources of ignition.  
Materials to Avoid: Strong oxidants and strong acids.  
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.  
Hazardous Polymerization: Will not occur.

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**SECTION 11: TOXICOLOGICAL INFORMATION**

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**Symptoms of Overexposure by Route of Exposure:**  
The health hazard information provided is for handling this product in an occupational setting.

**Effects of Acute and Chronic Exposure:**

**Acute:** The primary health effect that may be experienced in an occupational setting is mild irritation of contaminated skin. Accidental ingestion may be harmful. Although unlikely, irritation can irritate the respiratory system. Eye contact will cause irritation.

**Chronic:** NE

**Target Organs:** Acute: Occupational exposure: Eyes.  
Chronic: Occupational exposure: Skin.

**Inhalation:**  
Vapors may slightly irritate the nose, throat and lungs. Symptoms are generally alleviated upon breathing fresh air.

**Skin Contact:**  
Skin contact may cause burning sensation, stinging, itching and tingling.

**Eye Contact:**  
Eye contact can cause irritation, stinging, redness and tearing.

**Ingestion:**  
Ingestion is not a significant route of occupational overexposure. Acute ingestion of large quantities of this product or chronic ingestion may cause adverse symptoms that may include nausea, vomiting and diarrhea.

**Irritancy of the Product:**  
This product may cause mild to moderate irritation on damaged skin.

**Skin Sensitization:**  
Not expected.

**Respiratory Sensitization:**  
Not likely due to form of product.

**LD50/LC50:**

**Ethyl Alcohol:**

- Oral (rodent, rat): 7060 mg/kg
- Inhalation: (rodent, rat): 20000 ppm/10H

**Propylene Glycol (CAS 57-55-6)**



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- Oral (rat): 2200mg/k
- Dermal: (rabbit) 20800 mg/k

Carcinogenicity: Not classified as a human carcinogen by IARC or ACGIH.

Reproductive Toxicity:

**Mutagenic/Embryo Toxicity:** The components of this product are not reported to cause mutagenic or embryonic effects in humans.

**Teratogenicity:** Not available.

**Reproductive Toxicity:** Not available.

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### SECTION 12: ECOLOGICAL INFORMATION

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No specific information is currently available on the effect of this product on plants or animals in the environment. The product may be harmful to contaminated terrestrial and aquatic plant life in large quantities. The following aquatic toxicity data currently available for components of this product:

Ethyl Alcohol:

EC50 Crustacea - Water Flea (*Daphnia magna*) 5012 mg/l 48 hours  
EC50 Green algae (*Selenastrum capricornutum*) 1000 mg/l 96 hours  
LC 50 Fathead Minnow (*Pimephales promelas*) 100 mg/l 96 hours

Propylene Glycol:

EC50 Green Algae (*Desmodesmus subspicatus*) 19000 mg/l 96 hours  
EC50 Water Flea (*Daphnia magna*) 43500 mg/l 48 hours  
LC 50 Fathead Minnow (*Pimephales promelas*) 46500 mg/l 96 hours

**Environmental Exposure Controls:** Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways.

No component of this product is known to have ozone depletion potential.

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### SECTION 13: DISPOSAL CONSIDERATIONS

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**Disposal Instructions:** Collect or dispose in sealed containers at licensed waste disposal site.  
Dispose in accordance with local, state and federal regulations.

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### SECTION 14: TRANSPORT INFORMATION

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**DOT Classification:** UN Number: UN1170  
UN Proper Shipping Name: Ethanol Solution  
Transport Hazard Class: Class 3  
Labels: 3  
Packing Group: III  
Special Provisions: 24, B1, IB3, T2, TP!  
Packaging Exceptions: 4b, 150  
Packaging Non Bulk: 203  
Packaging Bulk: 242



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**IATA Classification:**            **UN Number:**        **UN1170**  
**UN Proper Shipping Name:** **Ethanol Solution**  
**Transport Hazard Class:**    **Class 3**  
**Packing Group:**            **II**  
**Environmental Hazards:**     **No**  
**ERG Code:**                 **3L**  
**Passenger and cargo aircraft:**       **Allowed.**  
**Cargo aircraft only:**         **Allowed.**

**IMDG Classification:**         **UN Number:**        **UN1170**  
**UN Proper Shipping Name:** **Ethanol Solution Isopropanol (Isopropyl Alcohol)**  
**Transport Hazard Class:**    **Class 3**  
**Packing Group:**            **II**  
**Marine pollutant:**         **No**  
**EmS:**                        **F-E, S-D**

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### SECTION 15: REGULATORY INFORMATION

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**U.S. Federal Regulations:**

**TSCA (TOXIC SUBSTANCE CONTROL ACT):**            **Not regulated.**

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):**            **Listed.**  
**Ethanol (CAS 64-17-5)**

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT) Emergency Release Notification:**  
**Hazard Category: Immediate Hazard**  
**Fire Hazard**

**SARA 304 EMERGENCY RELIEF NOTIFICATION:**            **Not regulated.**

**SARA 302 EXTREMELY HAZARDOUS SUBSTANCE:** **Not listed.**

**SARA 311/312 HAZARDOUS CHEMICAL:**    **Yes**

**SARA 313 REPORTABLE INGREDIENTS:**    **Not regulated.**

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):**    **Not listed.**

**STATE REGULATIONS:**

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

**New Jersey RTK:**  
**Ethanol (CAS 64-17-5)**  
**Triethanolamine (CAS 102-71-6)**  
**Propylene Glycol (CAS 57-55-6)**

**Massachusetts RTK:**  
**Ethanol (CAS 64-17-5)**  
**Triethanolamine (CAS 102-71-6)**

## SAFETY DATA SHEET

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Pennsylvania RTK:  
Ethanol (CAS 64-17-5)  
Propylene Glycol (CAS 57-55-6)  
Triethanolamine (CAS 102-71-6)

### INTERNATIONAL REGULATIONS:

Country or Region	Inventory Name	Listed
Australia	Australia Inventory of Chemical Substances	Yes
Canada	Domestic Substance List (DSL)	Yes
Canada	Non-Domestic Substance List (NDSL)	No
China:	Inventory of Existing Chemical Substances In China (IECSC)	Yes
Europe	European List of Notified Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substance Control Act (TSCA) Inventory	Yes

Note: A "Yes" indicates that all components comply with the inventory requirements administered by the governing country.  
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country.

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### SECTION 16: OTHER INFORMATION

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Issue Date: 08-25-2015

Version: 02

#### Disclaimer:

The information provided in this Safety Data Sheet (SDS) is accurate to the best of our knowledge. 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 processes.