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**SAFETY DATA SHEET**

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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.



## SAFETY DATA SHEET

### 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.<br>If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a Poison Center.<br>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.                  |

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 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 |

### 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:      | 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.                                     |

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**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)



## SAFETY DATA SHEET

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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



## SAFETY DATA SHEET

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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.