

# Safety Data Sheet



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

**Product identifier**

**Product Name**                                      **Advanced Foaming Hand Sanitizer**

**Other means of identification**

**Synonyms**    None

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

**Recommended Use**                                      Hand sanitizer

**Uses advised against**                                      Use only as directed.

**Details of the supplier of the safety data sheet**

**Distributor Name**                                      Uline Inc  
 12575 Uline Dr  
**Distributor Address**                                      Pleasant Prairie, WI 53158  
 USA

**Distributor Phone Number**                                      Phone: 1-800-295-5510

**Emergency telephone number**                                      Chemtrec: (24-Hour)  
 US/Canada: 1-800-424-9300  
 International: +1-703-527-3887



## 2. HAZARDS IDENTIFICATION

### Classification

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

Flammable liquids

Category 2

### GHS Label elements, including precautionary statements

#### Emergency Overview

Signal word:

Danger

Highly flammable liquid and vapor



**Appearance:** Clear to Slightly Hazy,  
Colorless, Water-Thin Liquid

**Physical state:** Water-Thin Liquid

**Odor:** Alcohol

#### **Precautionary Statements - Prevention**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
Keep container tightly closed  
Ground/bond container and receiving equipment  
Use explosion-proof electrical/ ventilating/ lighting/ equipment  
Use only non-sparking tools  
Take precautionary measures against static discharge  
Wear protective gloves/protective clothing/eye protection/face protection

#### **Precautionary Statements - Response**

##### **Skin**

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

##### **Fire**

In case of fire: Use CO2, dry chemical, or foam for extinction

#### **Precautionary Statements - Storage**

Store in a well-ventilated place. Keep cool

#### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

#### **Hazards not otherwise classified (HNOC)**

Not applicable

#### **Unknown Toxicity**

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

#### **Other information**

Toxic to aquatic life

PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION

May cause slight eye irritation

#### **Interactions with Other Chemicals**

None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical name                 | CAS No      | Weight-% | Trade Secret |
|-------------------------------|-------------|----------|--------------|
| Ethyl Alcohol 70% v/v         | 64-17-5     | 50 - 100 | *            |
| Water                         | 7732-18-5   | 10 - 50  | *            |
| PEG-8 Dimethicone             | 68937-54-2  | 0 - 10   | *            |
| Meadowfoamamidopropyl Betaine | Proprietary | 0 - 10   | *            |
| Glyceryl Caprylate/Caprates   | 91744-32-0  | 0 - 10   | *            |
| Glycerin                      | 56-81-5     | 0 - 10   | *            |
| Tocopheryl Acetate            | 7695-91-2   | 0 - 10   | *            |
| Isopropyl Myristate           | 110-27-0    | 0 - 10   | *            |

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

### 4. FIRST AID MEASURES

#### First aid measures

|   |  |
|---|--|
| <b>Eye contact</b>                        | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. |
| <b>Skin contact</b>                       | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.  |
| <b>Inhalation</b>                         | Remove to fresh air. If breathing is difficult, (trained personnel should) give oxygen. If not breathing, give artificial respiration.   |
| <b>Ingestion</b>                          | Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person.  |
| <b>Self-protection of the first aider</b> | Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.   |

#### 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

Water spray, fog or alcohol-resistant foam. Use water spray or fog; do not use straight streams.

#### Unsuitable extinguishing media

CAUTION: All these products have a very low flash point: Use of water spray when fighting fire may be inefficient.

#### Specific hazards arising from the chemical

Vapors can form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapor explosion hazard indoors, outdoors or in sewers. Runoff to sewer may create fire or explosion hazard.

**Uniform Fire Code** Flammable Liquid: I-B

#### Hazardous Combustion Products

Carbon oxides.

#### Explosion Data

**Sensitivity to Mechanical Impact** No.

**Sensitivity to Static Discharge** Yes.

#### Protective equipment and precautions for firefighters

Move containers from fire area if you can do it without risk.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Stop leak if you can do it without risk.

**Other Information** Water spray may reduce vapor; but may not prevent ignition in closed spaces.

### Environmental precautions

**Environmental precautions** Prevent entry into waterways, sewers, basements or confined areas.

### Methods and material for containment and cleaning up

**Methods for containment** A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

**Methods for cleaning up** Use clean non-sparking tools to collect absorbed material. Dike far ahead of liquid spill for later disposal. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling** Handle in accordance with good industrial hygiene and safety practice. Use personal protection equipment. Avoid contact with skin and eyes. Avoid breathing vapors or mists. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions.

### Conditions for safe storage, including any incompatibilities

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

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

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

There is no exposure data pertaining to the Product. This section reflects exposure data pertaining to individual ingredients.

| Chemical name                    | ACGIH TLV                      | OSHA PEL   | NIOSH IDLH   |
|----------------------------------|--------------------------------|--|--|
| Ethyl Alcohol 70% v/v<br>64-17-5 | STEL: 1000 ppm                 | TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup><br>(vacated) TWA: 1000 ppm<br>(vacated) TWA: 1900 mg/m <sup>3</sup>   | IDLH: 3300 ppm 10% LEL<br>TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup> |
| Glycerin<br>56-81-5              | TWA: 10 mg/m <sup>3</sup> mist | TWA: 15 mg/m <sup>3</sup> mist, total particulate<br>TWA: 5 mg/m <sup>3</sup> mist, respirable fraction<br>(vacated) TWA: 10 mg/m <sup>3</sup> mist, total particulate<br>(vacated) TWA: 5 mg/m <sup>3</sup> mist, respirable fraction |  |

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

**Other Exposure Guidelines**

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

**Appropriate engineering controls**

**Engineering Measures**

- Showers
- Eyewash stations
- Ventilation systems

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

**Eye/face protection**

Tight sealing safety goggles.

**Skin and body protection**

Wear protective gloves and protective clothing. Long sleeved clothing. Chemical resistant apron. Impervious gloves. Antistatic boots.

**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.

**Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.



**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical and Chemical Properties**

|                       |                                    |                       |                          |
|-----------------------|------------------------------------|-----------------------|--------------------------|
| <b>Physical state</b> | Water-Thin Liquid                  | <b>Odor</b>           | Alcohol                  |
| <b>Appearance</b>     | Clear to Slightly Hazy, Colorless, |                       |                          |
|                       | Water-Thin Liquid                  | <b>Odor Threshold</b> | No information available |
| <b>Color</b>          | Colorless                          |                       |                          |

| <u>Property</u>                               | <u>Values</u>     | <u>Remarks</u> | <u>Method</u> |
|---|-------------------|----------------|---------------|
| <b>pH</b>                                     | UNKNOWN           | 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>                            | 22 C / 72 F       | 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>                       | 0.879             | None known     |               |
| <b>Water Solubility</b>                       | Miscible in water | None known     |               |
| <b>Solubility in other solvents</b>           | No data available | None known     |               |
| <b>Partition coefficient: n-octanol/water</b> | 0                 | 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>                      | 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> | No data available |

**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**

Heat, flames and sparks.

**Incompatible materials**

None known based on information supplied.

**Hazardous Decomposition Products**

Carbon oxides.

When used in accordance with the directions.



## 11. TOXICOLOGICAL INFORMATION

There is no data for this product. The information included in this section describes the potential hazards of the individual ingredients.

### 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                     |
|----------------------------------|-----------------------|----------------------|-------------------------------------|
| Ethyl Alcohol 70% v/v<br>64-17-5 | = 7060 mg/kg ( Rat )  | -                    | = 124.7 mg/L ( Rat ) 4 h            |
| Water<br>7732-18-5               | > 90 mL/kg ( Rat )    | -                    | -                                   |
| Glycerin<br>56-81-5              | = 12600 mg/kg ( Rat ) | > 10 g/kg ( Rabbit ) | > 570 mg/m <sup>3</sup> ( Rat ) 1 h |
| Isopropyl Myristate<br>110-27-0  | > 10000 mg/kg ( Rat ) | = 5 g/kg ( Rabbit )  | > 41 mg/L ( Rat ) 1 h               |

### 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. Ethanol has been shown to be carcinogenic in long-term studies **ONLY** when consumed as alcoholic beverage.

| Chemical name                    | ACGIH | IARC    | NTP   | OSHA |
|----------------------------------|-------|---------|-------|------|
| Ethyl Alcohol 70% v/v<br>64-17-5 | A3    | Group 1 | Known | X    |

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

A3 - Animal Carcinogen

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

Group 1 - Carcinogenic to Humans

**NTP (National Toxicology Program)**

Known - Known Carcinogen

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

X - Present

**Reproductive toxicity** No information available.

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

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

**Chronic Toxicity** No known effect based on information supplied. Carcinogenic potential is unknown.

**Target Organ Effects** Blood. Central Nervous System (CNS). Eyes. Kidney. Liver. Reproductive System. Respiratory system. Skin.

**Aspiration Hazard** No information available.

### Numerical measures of toxicity Product Information

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

#### ATEmix (oral)

11,048.00 mg/kg

#### ATEmix (inhalation-dust/mist)

196.90 mg/l

## 12. ECOLOGICAL INFORMATION

There is no ecological data on the Product. The Product ingredients are expected to be safe for the environment at concentrations predicted under normal use and accidental spill scenarios. Packaging components are compatible with the conventional solid waste management practices.

**Ecotoxicity**

Toxic to aquatic organisms.

**Persistence and Degradability**

No information available.

**Bioaccumulation**

No information available.

**Other adverse effects**

No information available.

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

|   |   |
|---|---|
| <b>Disposal methods</b>                 | This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). |
| <b>Contaminated Packaging</b>           | Dispose of contents/containers in accordance with local regulations.                            |
| <b>US EPA Waste Number</b>              | D001  |
| <b>California Hazardous Waste Codes</b> | 311   |

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

## 14. TRANSPORT INFORMATION

**DOT**

|  |                           |
|--|---------------------------|
| <b>Proper Shipping Name</b>            | CONSUMER COMMODITY        |
| <b>Hazard Class</b>                    | ORM-D                     |
| <b>Description</b>                     | CONSUMER COMMODITY, ORM-D |
| <b>Emergency Response Guide Number</b> | 127                       |

**TDG**

|                             |                                 |
|-----------------------------|---------------------------------|
| <b>UN-No.</b>               | UN1170                          |
| <b>Proper Shipping Name</b> | ETHANOL SOLUTION                |
| <b>Hazard Class</b>         | 3                               |
| <b>Packing Group</b>        | II                              |
| <b>Description</b>          | UN1170, ETHANOL SOLUTION, 3, II |

**MEX**

|                             |                                 |
|-----------------------------|---------------------------------|
| <b>UN-No.</b>               | UN1170                          |
| <b>Proper Shipping Name</b> | ETHANOL SOLUTION                |
| <b>Hazard Class</b>         | 3                               |
| <b>Packing Group</b>        | II                              |
| <b>Description</b>          | UN1170, ETHANOL SOLUTION, 3, II |

**ICAO**

|                             |                                 |
|-----------------------------|---------------------------------|
| <b>UN-No.</b>               | UN1170                          |
| <b>Proper Shipping Name</b> | ETHANOL SOLUTION                |
| <b>Hazard Class</b>         | 3                               |
| <b>Packing Group</b>        | II                              |
| <b>Description</b>          | UN1170, ETHANOL SOLUTION, 3, II |





**IATA**

|                             |                                 |
|-----------------------------|---------------------------------|
| <b>UN-No.</b>               | UN1170                          |
| <b>Proper Shipping Name</b> | ETHANOL SOLUTION                |
| <b>Hazard Class</b>         | 3                               |
| <b>Packing Group</b>        | II                              |
| <b>ERG Code</b>             | 3L                              |
| <b>Description</b>          | UN1170, ETHANOL SOLUTION, 3, II |

**IMDG/IMO**

|                             |  |
|-----------------------------|--|
| <b>UN-No.</b>               | UN1170                                       |
| <b>Proper Shipping Name</b> | ETHANOL SOLUTION                             |
| <b>Hazard Class</b>         | 3  |
| <b>Packing Group</b>        | II   |
| <b>EmS-No.</b>              | F-E, S-D                                     |
| <b>Description</b>          | UN1170, ETHANOL SOLUTION, 3, II, (22°C C.C.) |

**RID**

|                             |                                 |
|-----------------------------|---------------------------------|
| <b>UN-No.</b>               | UN1170                          |
| <b>Proper Shipping Name</b> | ETHANOL SOLUTION                |
| <b>Hazard Class</b>         | 3                               |
| <b>Packing Group</b>        | II                              |
| <b>Classification code</b>  | F1                              |
| <b>Description</b>          | UN1170, ETHANOL SOLUTION, 3, II |

**ADR**

|                                |  |
|--------------------------------|--|
| <b>UN-No.</b>                  | UN1170                                 |
| <b>Proper Shipping Name</b>    | ETHANOL SOLUTION                       |
| <b>Hazard Class</b>            | 3                                      |
| <b>Packing Group</b>           | II                                     |
| <b>Classification code</b>     | F1                                     |
| <b>Tunnel restriction code</b> | (D/E)                                  |
| <b>Description</b>             | UN1170, ETHANOL SOLUTION, 3, II, (D/E) |

**ADN**

|                             |                                 |
|-----------------------------|---------------------------------|
| <b>UN-No.</b>               | UN1170                          |
| <b>Proper Shipping Name</b> | ETHANOL SOLUTION                |
| <b>Hazard Class</b>         | 3                               |
| <b>Packing Group</b>        | II                              |
| <b>Classification code</b>  | F1                              |
| <b>Special Provisions</b>   | 144, 601                        |
| <b>Description</b>          | UN1170, ETHANOL SOLUTION, 3, II |
| <b>Hazard Labels</b>        | 3                               |
| <b>Limited Quantity</b>     | 1 L                             |
| <b>Ventilation</b>          | VE01                            |



**15. REGULATORY INFORMATION**

**International Inventories**

TSCA Not determined  
 DSL Not determined  
 IECSC

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

**SARA 311/312 Hazard Categories**

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

**CWA (Clean Water Act)**

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

**CERCLA**

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

**US State Regulations**

**California Proposition 65 - NONE**

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 |
|----------------------------------|------------|---------------|--------------|--------------|----------|
| Ethyl Alcohol 70% v/v<br>64-17-5 | X          | X             | X            |              | X        |
| Glycerin<br>56-81-5              | X          | X             | X            | X            |          |

**International Regulations**

**Mexico**

**National occupational exposure limits**

| Chemical name         | Carcinogen Status | Exposure Limits  |
|-----------------------|-------------------|--|
| Ethyl Alcohol 70% v/v |                   | Mexico: TWA 1000 ppm<br>Mexico: TWA 1900 mg/m <sup>3</sup> |
| Glycerin              | -                 | 10mg/m <sup>3</sup> (mist) TWA                             |

Mexico - Occupational Exposure Limits - Carcinogens

**Canada**

**WHMIS Hazard Class**

Not determined



**16. OTHER INFORMATION**

|             |                       |   |                     |   |                        |   |                                      |   |
|-------------|-----------------------|---|---------------------|---|------------------------|---|--------------------------------------|---|
| <b>NFPA</b> | <b>Health Hazards</b> | 1 | <b>Flammability</b> | 3 | <b>Instability</b>     | 0 | <b>Physical and Chemical Hazards</b> | - |
| <b>HMS</b>  | <b>Health Hazards</b> | 1 | <b>Flammability</b> | 3 | <b>Physical Hazard</b> | 0 | <b>Personal Protection</b>           | X |
|             |                       |   |                     |   |                        |   | N/A                                  |   |

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

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**Revision Note** Update to ingredient CAS number (Section 3).

General Disclaimer

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The information and recommendations contained in the Safety Data Sheet (SDS) are supplied pursuant to 29 CFR 1910.1200 of the Occupational Safety and Health Standards Hazard Communication Rule. The information and recommendations set forth herein are presented in good faith and believed to be correct as of this date hereof.

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**End of Safety Data Sheet**

