

# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
US OSHA Hazard Communication Standard 2024 (29 CFR 1910.1200) and Canada Hazardous Products Act (HPA) and the  
Hazardous Products Regulation (HPR), as amended

Issuing Date 22-Dec-2025

Revision date 22-Dec-2025

Revision Number 1

## 1. Identification

### Product identifier

Product Name ThermaCare Heat and Lidocaine Roll On

### Other means of identification

Product Code(s) 1879356

UN number or ID number UN1170  
Synonyms None

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

Recommended use Pain Relief - Topical

Restrictions on use No information available

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

Supplier Name Bridges Consumer Healthcare LLC

### Supplier Address

811 Broad Street  
Suite 600  
Chattanooga  
TN  
37402  
US

### Emergency telephone number

Supplier Phone Number Phone:423-717-8579

24 Hour Emergency Phone Number 423-503-6971

Emergency Telephone No information available

## 2. Hazard(s) identification

### Classification of the substance or mixture

|  |             |
|--|-------------|
| Flammable liquids                                  | Category 3  |
| Acute toxicity - Oral                              | Category 4  |
| Serious eye damage/eye irritation                  | Category 2A |
| Skin sensitization                                 | Category 1  |
| Specific target organ toxicity (repeated exposure) | Category 2  |

### Label elements

**Warning****Hazard statements**

Flammable liquid and vapor.  
Harmful if swallowed.  
Causes serious eye irritation.  
May cause an allergic skin reaction.  
May cause damage to organs through prolonged or repeated exposure.

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Contaminated work clothing should not be allowed out of the workplace.  
Wear protective gloves, protective clothing, eye protection and face protection.  
Do not breathe dust.  
Ground and bond container and receiving equipment.  
Use non-sparking tools.  
Take action to prevent static discharges.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Keep container tightly closed.  
Use explosion-proof electrical, ventilating and lighting equipment.

**Precautionary Statements - Response**

Get medical advice/attention if you feel unwell.  
Specific treatment (see supplemental first aid instructions on this label).

**Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice and attention.

**Skin**

IF ON SKIN: Wash with plenty of water and soap.  
If skin irritation or rash occurs: Get medical advice and attention.  
Take off contaminated clothing and wash it before reuse.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

**Ingestion**

IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.  
Rinse mouth.

**Fire**

In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep cool.

**Precautionary Statements - Disposal**

Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable.

**Unknown acute toxicity**

2.3 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.

**Hazards classified under paragraph (d)(1)(ii) of 1910.1200**

No information available.

**Other information**

Causes mild skin irritation. Harmful to aquatic life.

### 3. Composition/information on ingredients

#### Substance

Not applicable.

#### Mixture

| Chemical name   | CAS No.    | Weight-% | Hazardous Material Information Review Act registry number (HMIRA registry #) | Date HMIRA filed and date exemption granted (if applicable) |
|---|------------|----------|--|---|
| Isopropyl alcohol   | 67-63-0    | 15       | -  | -   |
| Ethyl alcohol   | 64-17-5    | 15       | -  | -   |
| Benzyl alcohol  | 100-51-6   | 10       | -  | -   |
| Acetamide, 2-(diethylamino)-N-(2,6-dimethylphenyl)-, monohydrochloride, monohydrate | 6108-05-0  | 4        | -  | -   |
| Propylene glycol  | 57-55-6    | 3        | -  | -   |
| Phenol, 4-(butoxymethyl)-2-methoxy-   | 82654-98-6 | 1.3      | -  | -   |
| Extract, ginger   | 84696-15-1 | 0.5      | -  | -   |
| Bisabolol   | 515-69-5   | 0.5      | -  | -   |

### 4. First-aid measures

#### Description of first aid measures

|   |  |
|---|--|
| <b>General advice</b>                     | Show this safety data sheet to the doctor in attendance.   |
| <b>Inhalation</b>                         | Remove to fresh air.   |
| <b>Eye contact</b>                        | Rinse 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. Get medical attention if irritation develops and persists.                            |
| <b>Skin contact</b>                       | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.   |
| <b>Ingestion</b>                          | Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician.  |
| <b>Self-protection of the first aider</b> | Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. |

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

**Symptoms** Itching. Rashes. Hives. May cause redness and tearing of the eyes. Burning sensation. Prolonged contact may cause redness and irritation.

**Effects of Exposure** May cause damage to organs through prolonged or repeated exposure.

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

**Note to physicians** May cause sensitization in susceptible persons. Treat symptomatically.

## 5. Fire-fighting measures

**Suitable Extinguishing Media** Dry chemical. Carbon dioxide (CO<sub>2</sub>). Water spray. Alcohol resistant foam.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

**Specific hazards arising from the chemical** Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Product is or contains a sensitizer. May cause sensitization by skin contact.

### Explosion data

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** Yes.

**Special protective equipment and precautions for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

**Other information** Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

### Methods and material for containment and cleaning up

**Methods for containment** Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

**Methods for cleaning up** Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. Handling and storage

### Precautions for safe handling

**Advice on safe handling** Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

**General hygiene considerations**

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. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Handle in accordance with good industrial hygiene and safety practice.

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

**Storage Conditions**

Keep containers tightly closed in a dry, cool and well-ventilated place. 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. Keep out of the reach of children.

**8. Exposure controls/personal protection**

**Control Parameters  
Exposure Limits**

| Chemical name                | ACGIH TLV                     | OSHA PEL  | NIOSH   |
|------------------------------|-------------------------------|---|---|
| Isopropyl alcohol<br>67-63-0 | STEL: 400 ppm<br>TWA: 200 ppm | TWA: 400 ppm<br>TWA: 980 mg/m <sup>3</sup><br>(vacated) TWA: 400 ppm<br>(vacated) TWA: 980 mg/m <sup>3</sup><br>(vacated) STEL: 500 ppm<br>(vacated) STEL: 1225 mg/m <sup>3</sup> | IDLH: 2000 ppm 10% LEL<br>TWA: 980 mg/m <sup>3</sup><br>TWA: 400 ppm<br>STEL: 500 ppm<br>STEL: 1225 mg/m <sup>3</sup> |
| Ethyl alcohol<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>  |

| Chemical name                | Alberta  | British Columbia                | Ontario   | Quebec                            |
|------------------------------|--|---------------------------------|---|-----------------------------------|
| Isopropyl alcohol<br>67-63-0 | TWA: 200 ppm;<br>TWA: 492 mg/m <sup>3</sup> ;<br>STEL: 400 ppm;<br>STEL: 984 mg/m <sup>3</sup> ; | TWA: 200 ppm;<br>STEL: 400 ppm; | TWA: 200 ppm;<br>STEL: 400 ppm;   | TWAEV: 200 ppm;<br>STEV: 400 ppm; |
| Ethyl alcohol<br>64-17-5     | TWA: 1000 ppm;<br>TWA: 1880 mg/m <sup>3</sup> ;  | STEL: 1000 ppm;                 | STEL: 1000 ppm;   | STEV: 1000 ppm;                   |
| Propylene glycol<br>57-55-6  | -  | -                               | TWA: 10 mg/m <sup>3</sup> ;<br>aerosol only<br>TWA: 50 ppm; aerosol<br>and vapor<br>TWA: 155 mg/m <sup>3</sup> ;<br>aerosol and vapor | -                                 |

| Chemical name     | Manitoba                        | New Brunswick                   | Newfoundland and Labrador       | Nova Scotia                     |
|-------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Isopropyl alcohol | TWA: 200 ppm;<br>STEL: 400 ppm; | TWA: 200 ppm;<br>STEL: 400 ppm; | TWA: 200 ppm;<br>STEL: 400 ppm; | TWA: 200 ppm;<br>STEL: 400 ppm; |
| Ethyl alcohol     | STEL: 1000 ppm;                 | STEL: 1000 ppm;                 | STEL: 1000 ppm;                 | STEL: 1000 ppm;                 |

| Chemical name     | Nunavut                           | Prince Edward Island            | Saskatchewan                      | Yukon   |
|-------------------|-----------------------------------|---------------------------------|-----------------------------------|---|
| Isopropyl alcohol | TWA: 200 ppm;<br>STEL: 400 ppm;   | TWA: 200 ppm;<br>STEL: 400 ppm; | TWA: 200 ppm;<br>STEL: 400 ppm;   | TWA: 400 ppm;<br>TWA: 980 mg/m <sup>3</sup> ;<br>STEL: 500 ppm;<br>STEL: 1225 mg/m <sup>3</sup> ;<br>Sk |
| Ethyl alcohol     | TWA: 1000 ppm;<br>STEL: 1250 ppm; | STEL: 1000 ppm;                 | TWA: 1000 ppm;<br>STEL: 1250 ppm; | TWA: 1000 ppm;<br>TWA: 1900 mg/m <sup>3</sup> ;<br>STEL: 1000 ppm;<br>STEL: 1900 mg/m <sup>3</sup> ;    |

**Note** See section 16 for terms and abbreviations.

**Other information on limit values** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Biological occupational exposure limits**

| Chemical name                | ACGIH   |
|------------------------------|---|
| Isopropyl alcohol<br>67-63-0 | 40 mg/L - urine (Acetone) - end of shift at end of workweek |

**Appropriate engineering controls**

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems.

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

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

**Hand protection** Wear suitable gloves.

**Skin and body protection** Wear suitable protective clothing. Antistatic boots. Chemical resistant apron. Wear fire/flammable resistant/retardant clothing.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. Use appropriate respiratory protection. Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material.

**9. Physical and chemical properties**

**Information on basic physical and chemical properties**

**Physical state** Liquid  
**Color** No information available  
**Odor (includes odor threshold)** Odorless  
**Odor threshold** No information available

| <u>Property</u>                                   | <u>Values</u>     | <u>Remarks • Method</u> |
|---|-------------------|-------------------------|
| <b>Melting point / freezing point</b>             | No data available | None known              |
| <b>Boiling point (or initial boiling point or</b> | No data available | None known              |

|  |                   |            |
|--|-------------------|------------|
| <b>boiling range)</b>                                    |                   |            |
| <b>Flammability</b>                                      | No data available | None known |
| <b>Flammability Limit in Air</b>                         |                   | None known |
| <b>Upper flammability or explosive limits</b>            | No data available |            |
| <b>Lower flammability or explosive limits</b>            | No data available |            |
| <b>Flash point</b>                                       | 23 °C / 73.4 °F   | None known |
| <b>Autoignition temperature</b>                          | No data available | None known |
| <b>Decomposition temperature</b>                         | No data available | None known |
| <b>SADT (°C)</b>   | No data available | None known |
| <b>pH</b>  | No data available | None known |
| <b>pH (as aqueous solution)</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>Solubility</b>  | No data available | None known |
| <b>Water solubility</b>                                  | No data available | None known |
| <b>Partition coefficient n-octanol/water (log value)</b> | No data available | None known |
| <b>Vapor pressure (includes evaporation rate)</b>        | No data available | None known |
| <b>Evaporation rate</b>                                  | No data available | None known |
| <b>Density and/or relative density</b>                   | 1                 | None known |
| <b>Bulk density</b>                                      | No data available |            |
| <b>Liquid Density</b>                                    | No data available |            |
| <b>Relative vapor density</b>                            | No data available | None known |
| <b>Particle characteristics</b>                          |                   | None known |
| <b>Particle Size</b>                                     | No data available |            |
| <b>Particle Size Distribution</b>                        | No data available |            |

**Other information**

**Miscible** No

**10. Stability and reactivity**

|   |   |
|---|---|
| <b>Reactivity</b>                         | No information available.                 |
| <b>Chemical stability</b>                 | Stable under normal conditions.           |
| <b>Possibility of hazardous reactions</b> | None under normal processing.             |
| <b>Conditions to avoid</b>                | Heat, flames and sparks.                  |
| <b>Incompatible materials</b>             | None known based on information supplied. |
| <b>Hazardous decomposition products</b>   | None known based on information supplied. |

**11. Toxicological information****Information on likely routes of exposure****Product Information**

|                    |   |
|--------------------|---|
| <b>Inhalation</b>  | Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.  |
| <b>Eye contact</b> | Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain. |

**Skin contact** Specific test data for the substance or mixture is not available. May cause sensitization by skin contact. (based on components). Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. Prolonged contact may cause redness and irritation. Causes mild skin irritation.

**Ingestion** Specific test data for the substance or mixture is not available. Harmful if swallowed. (based on components). Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

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

**Symptoms** Itching. Rashes. Hives. May cause redness and tearing of the eyes. Burning sensation. Prolonged contact may cause redness and irritation.

**Acute toxicity** Harmful if swallowed.

### Numerical measures of toxicity

The following ATE values have been calculated for the mixture

|                               |                |
|-------------------------------|----------------|
| ATEmix (oral)                 | 1,871.30 mg/kg |
| ATEmix (dermal)               | 6,706.20 mg/kg |
| ATEmix (inhalation-gas)       | 99,999.00 ppm  |
| ATEmix (inhalation-vapor)     | 99,999.00 mg/l |
| ATEmix (inhalation-dust/mist) | 30.30 mg/l     |

### **Unknown acute toxicity**

2.3 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

### **Component Information**

| Chemical name     | Oral LD50                 | Dermal LD50              | Inhalation LC50                                      |
|-------------------|---------------------------|--------------------------|--|
| Isopropyl alcohol | 4710 - 5840 mg/kg ( Rat ) | = 4059 mg/kg ( Rabbit )  | > 10000 ppm ( Rat ) 6 h                              |
| SD Alcohol 39-C   | = 7060 mg/kg ( Rat )      | -                        | = 116.9 mg/L ( Rat ) 4 h<br>= 133.8 mg/L ( Rat ) 4 h |
| Benzyl alcohol    | = 1230 mg/kg ( Rat )      | = 2 g/kg ( Rabbit )      | > 4178 mg/m <sup>3</sup> ( Rat ) 4 h                 |
| Propylene glycol  | = 20 g/kg ( Rat )         | = 20800 mg/kg ( Rabbit ) | -  |
| Bisabolol         | > 5 g/kg ( Rat )          | -                        | -  |

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

**Skin corrosion/irritation** Classification based on data available for ingredients. Causes mild skin irritation.

**Serious eye damage/eye irritation** Classification based on data available for ingredients. Causes serious eye irritation.

**Respiratory or skin sensitization** May cause an allergic skin reaction.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage. Based on available data, the classification criteria are not met.

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

| Chemical name     | ACGIH                                       | IARC   | NTP                    | OSHA |
|-------------------|---|--|------------------------|------|
| Isopropyl alcohol | A4 - Not classifiable as a human carcinogen | Group 3 - Not classifiable as to its carcinogenicity to humans | -                      | X    |
| SD Alcohol 39-C   | A3 - Confirmed animal carcinogen (with      | Group 1 - Carcinogenic to humans                               | Known human carcinogen | X    |

|  |                              |  |  |  |
|--|------------------------------|--|--|--|
|  | unknown relevance to humans) |  |  |  |
|--|------------------------------|--|--|--|

**Reproductive toxicity** No information available.

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

**STOT - repeated exposure** May cause damage to organs through prolonged or repeated exposure.

**Aspiration hazard** No information available.

**12. Ecological information**

**Ecotoxicity** Harmful to aquatic life.

**Aquatic ecotoxicity**

**Component Information**

| Chemical name     | Fish   | Crustacea   | Algae/aquatic plants   | Toxicity to microorganisms |
|-------------------|--|---|--|----------------------------|
| Isopropyl alcohol | 96h LC50: = 9640 mg/L (Pimephales promelas)<br>96h LC50: = 11130 mg/L (Pimephales promelas)<br>96h LC50: > 1400000 µg/L (Lepomis macrochirus)  | 48h EC50: = 13299 mg/L (Daphnia magna)  | 96h EC50: > 1000 mg/L (Desmodesmus subspicatus)<br>72h EC50: > 1000 mg/L (Desmodesmus subspicatus) | -                          |
| SD Alcohol 39-C   | 96h LC50: 12.0 - 16.0 mL/L (Oncorhynchus mykiss)<br>96h LC50: > 100 mg/L (Pimephales promelas)<br>96h LC50: 13400 - 15100 mg/L (Pimephales promelas)                                       | 48h LC50: 9268 - 14221 mg/L (Daphnia magna)<br>48h EC50: = 2 mg/L (Daphnia magna) | -  | -                          |
| Benzyl alcohol    | 96h LC50: = 460 mg/L (Pimephales promelas)<br>96h LC50: = 10 mg/L (Lepomis macrochirus)  | 48h EC50: = 23 mg/L (water flea)  | -  | -                          |
| Propylene glycol  | 96h LC50: = 51600 mg/L (Oncorhynchus mykiss)<br>96h LC50: 41 - 47 mL/L (Oncorhynchus mykiss)<br>96h LC50: = 51400 mg/L (Pimephales promelas)<br>96h LC50: = 710 mg/L (Pimephales promelas) | 48h EC50: > 1000 mg/L (Daphnia magna)   | 96h EC50: = 19000 mg/L (Pseudokirchneriella subcapitata)   | EC50 = 710 mg/L 30 min     |

**Terrestrial ecotoxicity**

**Component Information**

| Chemical name   | Earthworm  | Avian | Honeybees |
|-----------------|--|-------|-----------|
| SD Alcohol 39-C | Acute Toxicity: LC50 0.1 - 1 mg/cm <sup>2</sup> (Eisenia foetida, 48 h filter paper) | -     | -         |

**Persistence and degradability** No information available.

#### **Bioaccumulative potential**

| Chemical name                       | Partition coefficient | Bioconcentration factor (BCF) | Trophic magnification factor (TMF) |
|-------------------------------------|-----------------------|-------------------------------|------------------------------------|
| Isopropyl alcohol                   | 0.05                  | -                             | -                                  |
| SD Alcohol 39-C                     | -0.35                 | -                             | -                                  |
| Benzyl alcohol                      | 1.05                  | -                             | -                                  |
| Propylene glycol                    | -1.07                 | 1                             | -                                  |
| Phenol, 4-(butoxymethyl)-2-methoxy- | 2.4                   | -                             | -                                  |

**Mobility in soil** No information available.

**Other adverse effects** No information available.

### **13. Disposal considerations**

#### **Disposal methods**

**Waste from residues/unused products** Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

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

### **14. Transport information**

#### **DOT**

**UN number or ID number** UN1170  
**Proper shipping name** ETHANOL SOLUTIONS  
**Transport hazard class(es)** 3  
**Packing group** III  
**DOT Marine Pollutant** NP  
**Description** UN1170, ETHANOL SOLUTIONS, 3, III, Limited Quantity  
**Special Provisions** 24, B1, IB3, T2, TP1  
**Emergency Response Guide Number** 127

#### **TDG**

**UN number or ID number** UN1170

|                            |  |
|----------------------------|--|
| UN proper shipping name    | ETHANOL SOLUTION                                   |
| Transport hazard class(es) | 3  |
| Packing group              | III  |
| Description                | UN1170, ETHANOL SOLUTION, 3, III, Limited Quantity |

**MEX**

|                            |                                  |
|----------------------------|----------------------------------|
| UN number or ID number     | UN1170                           |
| UN proper shipping name    | ETHANOL SOLUTION                 |
| Transport hazard class(es) | 3                                |
| Packing group              | III                              |
| Description                | UN1170, ETHANOL SOLUTION, 3, III |
| Special Provisions         | 144, 223                         |

**ICAO (air)**

|                            |                                  |
|----------------------------|----------------------------------|
| UN number or ID number     | UN1170                           |
| UN proper shipping name    | ETHANOL SOLUTION                 |
| Transport hazard class(es) | 3                                |
| Packing group              | III                              |
| Description                | UN1170, ETHANOL SOLUTION, 3, III |
| Special Provisions         | A58, A180, A3                    |

**IATA**

|                            |                                  |
|----------------------------|----------------------------------|
| UN number or ID number     | UN1170                           |
| UN proper shipping name    | ETHANOL SOLUTION                 |
| Transport hazard class(es) | 3                                |
| Packing group              | III                              |
| Environmental hazards      | No                               |
| ERG Code                   | 3L                               |
| Description                | UN1170, ETHANOL SOLUTION, 3, III |

**IMDG**

|                            |                                  |
|----------------------------|----------------------------------|
| UN number or ID number     | UN1170                           |
| UN proper shipping name    | ETHANOL SOLUTION                 |
| Transport hazard class(es) | 3                                |
| Packing group              | III                              |
| Marine pollutant indicator | NP                               |
| EmS-No.                    | F-E S-D                          |
| Description                | UN1170, ETHANOL SOLUTION, 3, III |

**15. Regulatory information****Safety, health and environmental regulations/legislation specific for the substance or mixture****International Regulations**

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

**International Inventories**

TSCA Contact supplier for inventory compliance status.

|                      |   |
|----------------------|---|
| <b>DSL/NDSL</b>      | Contact supplier for inventory compliance status. |
| <b>EINECS/ELINCS</b> | Contact supplier for inventory compliance status. |
| <b>ENCS</b>          | Contact supplier for inventory compliance status. |
| <b>IECSC</b>         | Contact supplier for inventory compliance status. |
| <b>KECL</b>          | Contact supplier for inventory compliance status. |
| <b>PICCS</b>         | Contact supplier for inventory compliance status. |
| <b>AIC</b>           | Contact supplier for inventory compliance status. |
| <b>NZIoC</b>         | Contact supplier for inventory compliance status. |
| <b>TCSI</b>          | Contact supplier for inventory compliance status. |

**Legend:**

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS** - Japan Existing and New Chemical Substances
- IECSC** - China Inventory of Existing Chemical Substances
- KECL** - Korean Existing Chemicals Inventory
- PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- AIC** - Australian Inventory of Industrial Chemicals
- NZIoC** - New Zealand Inventory of Chemicals
- TCSI** - Taiwan Chemical Substance Inventory

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

| Chemical name     | SARA 313 - Threshold Values % |
|-------------------|-------------------------------|
| Isopropyl alcohol | 1.0                           |

**SARA 311/312 Hazard Categories**

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

**CWA (Clean Water Act)**

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

**CAA (Clean Air Act)**

This product does not contain any substances regulated as pollutants pursuant to Clean Air Act (CAA).

**CERCLA**

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

**US State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals:. Ethyl alcohol is only considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage.

| Chemical name   | California Proposition 65   |
|-----------------|-----------------------------|
| SD Alcohol 39-C | Carcinogen<br>Developmental |

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

| Chemical name   | New Jersey | Massachusetts | Pennsylvania |
|-----------------|------------|---------------|--------------|
| SD Alcohol 39-C | X          | X             | X            |

|                      |   |   |   |
|----------------------|---|---|---|
| Isopropyl alcohol    | X | X | X |
| Benzyl alcohol       | - | X | X |
| Propylene glycol     | X | - | X |
| Aminomethyl propanol | X | X | X |

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. Other information**

|                                   |                           |                |                    |                       |
|-----------------------------------|---------------------------|----------------|--------------------|-----------------------|
| <b>NFPA</b>                       | Health hazards 2          | Flammability 3 | Instability 0      | Special hazards -     |
| <b>HMIS</b>                       | Health hazards 2*         | Flammability 3 | Physical hazards 0 | Personal protection X |
| <b>Chronic Hazard Star Legend</b> | * = Chronic Health Hazard |                |                    |                       |

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

List may include phrases which are not applicable to this product

|         |   |
|---------|---|
| ACGIH   | American Conference of Governmental Industrial Hygienists   |
| ADN     | Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Europe)     |
| ADR     | Agreement concerning the International Carriage of Dangerous Goods by Road (Europe)                 |
| AiIC    | Australian Inventory of Industrial Chemicals  |
| ATE     | Acute Toxicity Estimate   |
| ASTM    | American Society for the Testing of Materials   |
| bar     | Biological Reference Values for Chemical Compounds in the Work Area                                 |
| BAT     | Biological tolerance values for occupational exposure   |
| BEL     | Biological exposure limits  |
| bw      | Body weight   |
| Ceiling | Maximum limit value   |
| CMR     | Carcinogen, Mutagen or Reproductive Toxicant  |
| DOT     | Department of Transportation (United States)  |
| DSL     | Domestic Substances List (Canada)   |
| EmS     | Emergency Schedule  |
| ENCS    | Existing and New Chemical Substances (Japan)  |
| EPA     | Environmental Protection Agency   |
| GHS     | Globally Harmonized System  |
| HMIS    | Hazardous Materials Identification System   |
| IARC    | International Agency for Research on Cancer   |
| IATA    | International Air Transport Association   |
| IBC     | International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk |
| ICAO    | International Civil Aviation Organization   |
| IECSC   | Inventory of Existing Chemical Substances in China  |
| IMDG    | International Maritime Dangerous Goods  |
| IMO     | International Maritime Organization   |
| ISO     | International Organization for Standardization  |
| KECI    | Korean Existing Chemicals Inventory   |
| LC50    | Lethal Concentration to 50% of a test population  |
| LD50    | Lethal Dose to 50% of a test population (Median Lethal Dose)  |
| MARPOL  | International Convention for the Prevention of Pollution from Ships                                 |
| NFPA    | National Fire Protection Association  |
| NIOSH   | National Institute for Occupational Safety and Health   |
| n.o.s.  | Not Otherwise Specified   |
| NOAEC   | No Observed Adverse Effect Concentration  |
| NOAEL   | No Observed Adverse Effect Level  |
| NOELR   | No Observable Effect Loading Rate   |

|         |   |
|---------|---|
| NTP     | National Toxicology Program (United States)   |
| NZIoC   | New Zealand Inventory of Chemicals  |
| OECD    | Organization for Economic Cooperation and Development                               |
| OEL     | Occupational exposure limits  |
| OSHA    | Occupational Safety and Health Administration of the US Department of Labor         |
| PBT     | Persistent, Bioaccumulative and Toxic substance                                     |
| PICCS   | Philippines Inventory of Chemicals and Chemical Substances                          |
| PMT     | Persistent, Mobile and Toxic  |
| PPE     | Personal protective equipment   |
| QSAR    | Quantitative Structure Activity Relationship  |
| RID     | Agreement concerning the International Carriage of Dangerous Goods by Rail (Europe) |
| SADT    | Self-Accelerating Decomposition Temperature   |
| SAR     | Structure-activity relationship   |
| SARA    | Superfund Amendments and Reauthorization Act  |
| SDS     | Safety Data Sheet   |
| SL      | Surface Limit   |
| STEL    | Short Term Exposure Limit   |
| STOT RE | Specific target organ toxicity - Repeated exposure                                  |
| STOT SE | Specific target organ toxicity - Single exposure                                    |
| TCSI    | Taiwan Chemical Substance Inventory   |
| TDG     | Transport of Dangerous Goods (Canada)   |
| TSCA    | Toxic Substances Control Act (United States)  |
| TWA     | Time-Weighted Average   |
| UN      | United Nations  |
| VOC     | Volatile organic compounds  |
| vPvB    | Very Persistent and Very Bioaccumulative  |
| vPvM    | Very Persistent and Very Mobile   |
| As      | Allergenic substance  |
| DS      | Dermal Sensitizer   |
| Ot      | Ototoxicant   |
| pOt     | Ototoxicant - potential to cause hearing disorders                                  |
| PS      | Photosensitizer   |
| RS      | Respiratory Sensitizer  |
| S       | Sensitizer  |
| poS     | Sensitizer - capable of causing occupational asthma                                 |
| Sa      | Simple asphyxiant   |
| Sd      | Skin designation  |
| pSd     | Skin designation - potential for cutaneous absorption                               |
| Sdv     | Skin designation - vacated  |
| Sk      | Skin notation   |
| dSk     | Skin notation - danger of cutaneous absorption                                      |
| pSk     | Skin notation - potential for cutaneous absorption                                  |

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

U.S. Agency for Toxic Substances and Disease Registry (ATSDR)  
 U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 U.S. Environmental Protection Agency  
 Acute Exposure Guideline Level(s) (AEGL(s))  
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
 U.S. Environmental Protection Agency High Production Volume Chemicals  
 Food Research Journal  
 Hazardous Substance Database  
 International Uniform Chemical Information Database (IUCLID)  
 Japan National Institute of Technology and Evaluation (NITE)  
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
 NIOSH (National Institute for Occupational Safety and Health)  
 National Library of Medicine's ChemID Plus (NLM CIP)  
 National Library of Medicine's PubMed database (NLM PUBMED)  
 U.S. National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)  
International Organization for Economic Co-operation and Development (OECD) Environment, Health, and Safety Publications  
International Organization for Economic Co-operation and Development (OECD) High Production Volume Chemicals Program  
International Organization for Economic Co-operation and Development (OECD) Screening Information Data Set  
United Nations World Health Organization (WHO)

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**Disclaimer**

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**End of Safety Data Sheet**