



# SAFETY DATA SHEET

## 1. Identification

**Product number** 1000010096  
**Product identifier** **FAST ACTING WINDSHIELD DE-ICER**  
**Company information** Claire Manufacturing Co.  
1005 S. Westgate Drive  
Addison, IL 60101 United States  
**Company phone** General Assistance 1-630-543-7600  
**Emergency telephone US** 1-866-836-8855  
**Emergency telephone outside US** 1-952-852-4646  
**Version #** 01  
**Recommended use** De-Icer  
**Recommended restrictions** None known.

## 2. Hazard(s) identification

**Physical hazards** Flammable aerosols Category 1  
**Health hazards** Acute toxicity, oral Category 3  
Acute toxicity, dermal Category 3  
Acute toxicity, inhalation Category 3  
Germ cell mutagenicity Category 1B  
Reproductive toxicity Category 1B  
Specific target organ toxicity, single exposure Category 2  
**Environmental hazards** Hazardous to the aquatic environment, acute hazard Category 2  
**OSHA defined hazards** Not classified.  
**Label elements**



**Signal word** Danger  
**Hazard statement** Extremely flammable aerosol. Toxic if swallowed. Toxic in contact with skin. Toxic if inhaled. May damage fertility or the unborn child. Causes damage to organs.  
**Precautionary statement**  
**Prevention** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Do not breathe gas. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.  
**Response** If swallowed: Immediately call a poison center/doctor. If on skin: Wash with plenty of water. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor. Specific treatment (see this label). Rinse mouth. Take off immediately all contaminated clothing and wash it before reuse.  
**Storage** Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.  
**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 | %        |
|--|--------------------------|------------|----------|
| Methanol                                 |                          | 67-56-1    | 60 - 80  |
| Ethylene Glycol                          |                          | 107-21-1   | 2.5 - 10 |
| Isopropyl Alcohol                        |                          | 67-63-0    | 2.5 - 10 |
| Carbon Dioxide                           |                          | 124-38-9   | 1 - 2.5  |
| Propane                                  |                          | 74-98-6    | 1 - 2.5  |
| Other components below reportable levels |                          |            | 10 - 20  |

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

### 4. First-aid measures

#### Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a POISON CENTER or doctor/physician.

#### Skin contact

Take off immediately all contaminated clothing. Wash off with soap and plenty of water. Call a POISON CENTER or doctor/physician if you feel unwell. For minor skin contact, avoid spreading material on unaffected skin.

#### Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

#### Ingestion

Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

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

Direct contact with eyes may cause temporary irritation.

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

Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

#### General information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Take off immediately all contaminated clothing. IF exposed or concerned: Get medical advice/attention. Wash contaminated clothing before reuse.

### 5. Fire-fighting measures

#### Suitable extinguishing media

Powder. Alcohol resistant foam. Water. Carbon dioxide (CO<sub>2</sub>).

#### Unsuitable extinguishing media

None known.

#### Specific hazards arising from the chemical

Contents under pressure. Pressurized container may explode when exposed to heat or flame.

#### Special protective equipment and precautions for firefighters

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

#### Fire-fighting equipment/instructions

Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

#### Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials. Move container from fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. In the event of fire and/or explosion do not breathe fumes.

#### General fire hazards

Extremely flammable aerosol.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Immediately evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate personal protective equipment. Fully encapsulating, vapor protective clothing should be worn for spills and leaks with no fire. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

### Methods and materials for containment and cleaning up

Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.

### Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

### Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Ground and bond containers when transferring material. Do not re-use empty containers. Do not breathe gas. Do not taste or swallow. Avoid contact with skin. Avoid contact with eyes. Avoid contact during pregnancy/while nursing. Avoid prolonged exposure. Avoid contact with clothing. Use only outdoors or in a well-ventilated area. Use personal protective equipment as required. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Wash contaminated clothing before reuse.

### Conditions for safe storage, including any incompatibilities

Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store in a well-ventilated place. Refrigeration recommended. Store away from incompatible materials (see Section 10 of the SDS). Level 1 Aerosol (NFPA 30B)

## 8. Exposure controls/personal protection

### Occupational exposure limits

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

| Components                      | Type | Value                             |
|---------------------------------|------|-----------------------------------|
| Carbon Dioxide (CAS 124-38-9)   | PEL  | 9000 mg/m3                        |
| Isopropyl Alcohol (CAS 67-63-0) | PEL  | 5000 ppm<br>980 mg/m3             |
| Methanol (CAS 67-56-1)          | PEL  | 400 ppm<br>260 mg/m3              |
| Propane (CAS 74-98-6)           | PEL  | 200 ppm<br>1800 mg/m3<br>1000 ppm |

#### US. ACGIH Threshold Limit Values

| Components                      | Type               | Value                         | Form     |
|---------------------------------|--------------------|-------------------------------|----------|
| Carbon Dioxide (CAS 124-38-9)   | STEL               | 30000 ppm                     |          |
| Ethylene Glycol (CAS 107-21-1)  | TWA<br>Ceiling     | 5000 ppm<br>100 mg/m3         | Aerosol. |
| Isopropyl Alcohol (CAS 67-63-0) | STEL               | 400 ppm                       |          |
| Methanol (CAS 67-56-1)          | TWA<br>STEL<br>TWA | 200 ppm<br>250 ppm<br>200 ppm |          |

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

| Components                      | Type | Value                  |
|---------------------------------|------|------------------------|
| Carbon Dioxide (CAS 124-38-9)   | STEL | 54000 mg/m3            |
|                                 |      | 30000 ppm              |
|                                 | TWA  | 9000 mg/m3<br>5000 ppm |
| Isopropyl Alcohol (CAS 67-63-0) | STEL | 1225 mg/m3             |
|                                 |      | 500 ppm                |
|                                 | TWA  | 980 mg/m3<br>400 ppm   |
| Methanol (CAS 67-56-1)          | STEL | 325 mg/m3<br>250 ppm   |
|                                 |      | 260 mg/m3              |
|                                 | TWA  | 200 ppm                |
| Propane (CAS 74-98-6)           | TWA  | 1800 mg/m3<br>1000 ppm |

**Biological limit values****ACGIH Biological Exposure Indices**

| Components                      | Value   | Determinant | Specimen | Sampling Time |
|---------------------------------|---------|-------------|----------|---------------|
| Isopropyl Alcohol (CAS 67-63-0) | 40 mg/l | Acetone     | Urine    | *             |
| Methanol (CAS 67-56-1)          | 15 mg/l | Methanol    | Urine    | *             |

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

**Exposure guidelines****US - California OELs: Skin designation**

Methanol (CAS 67-56-1) Can be absorbed through the skin.

**US - Minnesota Haz Subs: Skin designation applies**

Methanol (CAS 67-56-1) Skin designation applies.

**US - Tennessee OELs: Skin designation**

Methanol (CAS 67-56-1) Can be absorbed through the skin.

**US ACGIH Threshold Limit Values: Skin designation**

Methanol (CAS 67-56-1) Can be absorbed through the skin.

**US NIOSH Pocket Guide to Chemical Hazards: Skin designation**

Methanol (CAS 67-56-1) Can be absorbed through the skin.

**Appropriate engineering controls**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

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

**Eye/face protection** Wear safety glasses with side shields (or goggles). Wear a full-face respirator, if needed.

**Hand protection** Wear protective gloves.

**Skin protection**

**Other** Wear appropriate chemical resistant clothing.

**Respiratory protection** If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**

When using, do not eat, drink or smoke. 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**

|                       |            |
|-----------------------|------------|
| <b>Appearance</b>     | Clear.     |
| <b>Physical state</b> | Liquid.    |
| <b>Form</b>           | Aerosol.   |
| <b>Color</b>          | Colorless. |

|   |  |
|---|--|
| <b>Odor</b>   | Solvent.                                   |
| <b>Odor threshold</b>                               | Not available.                             |
| <b>pH</b>   | Not available.                             |
| <b>Melting point/freezing point</b>                 | Not available.                             |
| <b>Initial boiling point and boiling range</b>      | 212 °F (100 °C) estimated                  |
| <b>Flash point</b>                                  | -156.0 °F (-104.4 °C) Propellant estimated |
| <b>Evaporation rate</b>                             | Not available.                             |
| <b>Flammability (solid, gas)</b>                    | Not available.                             |
| <b>Upper/lower flammability or explosive limits</b> |  |
| <b>Flammability limit - lower (%)</b>               | 6 % estimated                              |
| <b>Flammability limit - upper (%)</b>               | 33.2 % estimated                           |
| <b>Explosive limit - lower (%)</b>                  | Not available.                             |
| <b>Explosive limit - upper (%)</b>                  | Not available.                             |
| <b>Vapor pressure</b>                               | 65 - 85 psig @70F estimated                |
| <b>Vapor density</b>                                | Not available.                             |
| <b>Relative density</b>                             | 0.811 g/cm3 estimated                      |
| <b>Solubility(ies)</b>                              |  |
| <b>Solubility (water)</b>                           | Not available.                             |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.                             |
| <b>Auto-ignition temperature</b>                    | 857.76 °F (458.76 °C) estimated            |
| <b>Decomposition temperature</b>                    | Not available.                             |
| <b>Viscosity</b>                                    | Not available.                             |
| <b>Other information</b>                            |  |
| <b>Density</b>                                      | 0.81 g/cm3 estimated                       |
| <b>Flame extension</b>                              | 18 in estimated                            |
| <b>Flammability class</b>                           | Flammable IB estimated                     |
| <b>Heat of combustion</b>                           | 28.84 kJ/g estimated                       |
| <b>Heat of combustion (NFPA 30B)</b>                | 16.39 kJ/g estimated                       |
| <b>Percent volatile</b>                             | 98.49 % estimated                          |
| <b>Specific gravity</b>                             | 0.811 estimated                            |
| <b>VOC (Weight %)</b>                               | 80.65 % estimated                          |

## 10. Stability and reactivity

|   |   |
|---|---|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.   |
| <b>Possibility of hazardous reactions</b> | Hazardous polymerization does not occur.  |
| <b>Conditions to avoid</b>                | Avoid temperatures exceeding the flash point.   |
| <b>Incompatible materials</b>             | Strong oxidizing agents. Isocyanates. Chlorine.   |
| <b>Hazardous decomposition products</b>   | No hazardous decomposition products are known.  |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |  |
|---------------------|--|
| <b>Ingestion</b>    | Toxic if swallowed.  |
| <b>Inhalation</b>   | Toxic by inhalation. May cause damage to organs by inhalation. |
| <b>Skin contact</b> | Toxic in contact with skin.                                    |

**Eye contact**

Direct contact with eyes may cause temporary irritation.

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

Direct contact with eyes may cause temporary irritation.

**Information on toxicological effects****Acute toxicity**

Toxic by inhalation. Toxic if swallowed. Toxic in contact with skin.

**Components****Species****Test Results**

## Ethylene Glycol (CAS 107-21-1)

**Acute***Dermal*

LD50

Mouse

&gt; 3500 mg/kg

*Inhalation*

LC50

Rat

&gt; 2.5 mg/l, 6 Hours

*Oral*

LD50

Rat

7712 mg/kg

## Isopropyl Alcohol (CAS 67-63-0)

**Acute***Dermal*

LD50

Rabbit

16.4 ml/kg, 24 Hours

*Inhalation*

LC50

Rat

&gt; 10000 ppm, 6 Hours

*Oral*

LD50

Rat

5.84 g/kg

## Methanol (CAS 67-56-1)

**Acute***Inhalation*

LC50

Cat

85.41 mg/l, 4.5 Hours

43.68 mg/l, 6 Hours

Mouse

79.43 mg/l, 134 Minutes

Rat

&gt; 115.9 mg/l, 4 Hours

82.1 mg/l, 6 Hours

*Oral*

LD50

Monkey

6000 mg/kg

Rat

1187 - 2769 mg/kg

*Other*

LD50

Mouse

6000 mg/kg

## Propane (CAS 74-98-6)

**Acute***Inhalation*

LC50

Mouse

1237 mg/l, 120 Minutes

52 %, 120 Minutes

Rat

1355 mg/l

658 mg/l/4h

\* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation**

Prolonged skin contact may cause temporary irritation.

**Serious eye damage/eye irritation**

Direct contact with eyes may cause temporary irritation.

**Respiratory or skin sensitization****Respiratory sensitization**

Not available.

**Skin sensitization**

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>  | May damage fertility or the unborn child.  |
| <b>Specific target organ toxicity - single exposure</b>               | Causes damage to organs.   |
| <b>Specific target organ toxicity - repeated exposure</b>             | Not classified.  |
| <b>Aspiration hazard</b>  | Not likely, due to the form of the product.  |
| <b>Chronic effects</b>  | Prolonged inhalation may be harmful.   |

## 12. Ecological information

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

| Product                                      | Species |   | Test Results                        |
|--|---------|---|-------------------------------------|
| FAST ACTING WINDSHIELD DE-ICER (CAS Mixture) |         |   |                                     |
| <b>Aquatic</b>                               |         |   |                                     |
| Algae  | IC50    | Algae   | 10050.251 mg/L, 72 Hours estimated  |
| <i>Acute</i>                                 |         |   |                                     |
| Crustacea                                    | EC50    | Daphnia                                       | 11857.5977 mg/l, 48 hours estimated |
| Fish   | LC50    | Fish  | 12512.8652 mg/l, 96 hours estimated |
| Components                                   | Species |   | Test Results                        |
| Ethylene Glycol (CAS 107-21-1)               |         |   |                                     |
| <b>Aquatic</b>                               |         |   |                                     |
| Crustacea                                    | EC50    | Daphnia                                       | 46300 mg/L, 48 Hours                |
| Fish   | LC50    | Fathead minnow ( <i>Pimephales promelas</i> ) | 8050 mg/l, 96 hours                 |
| Isopropyl Alcohol (CAS 67-63-0)              |         |   |                                     |
| <b>Aquatic</b>                               |         |   |                                     |
| Algae  | IC50    | Algae   | 1000.0001 mg/L, 72 Hours            |
| Crustacea                                    | EC50    | Daphnia                                       | 13299 mg/L, 48 Hours                |
| Fish   | LC50    | Bluegill ( <i>Lepomis macrochirus</i> )       | > 1400 mg/l, 96 hours               |
| Methanol (CAS 67-56-1)                       |         |   |                                     |
| <b>Aquatic</b>                               |         |   |                                     |
| Crustacea                                    | EC50    | Water flea ( <i>Daphnia magna</i> )           | > 10000 mg/l, 48 hours              |
| Fish   | LC50    | Fathead minnow ( <i>Pimephales promelas</i> ) | > 100 mg/l, 96 hours                |

\* Estimates for product may be based on additional component data not shown.

**Persistence and degradability** No data is available on the degradability of this product.

**Bioaccumulative potential** No data available.

**Partition coefficient n-octanol / water (log Kow)**

|                   |       |
|-------------------|-------|
| Ethylene Glycol   | -1.36 |
| Isopropyl Alcohol | 0.05  |
| Methanol          | -0.77 |
| Propane           | 2.36  |

**Mobility in soil** No data 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

|                                   |   |
|-----------------------------------|---|
| <b>Disposal instructions</b>      | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations. |
| <b>Local disposal regulations</b> | Dispose in accordance with all applicable regulations.  |
| <b>Hazardous waste code</b>       | The waste code should be assigned in discussion between the user, the producer and the waste disposal company.  |

#### US RCRA Hazardous Waste U List: Reference

Methanol (CAS 67-56-1)

U154

|  |  |
|--|--|
| <b>Waste from residues / unused products</b> | 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).                           |
| <b>Contaminated packaging</b>                | 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. Do not re-use empty containers. |

### 14. Transport information

|   |   |
|---|---|
| <b>DOT</b>  |   |
| <b>UN number</b>  | UN1950  |
| <b>UN proper shipping name</b>  | Aerosols, flammable   |
| <b>Transport hazard class(es)</b>   |   |
| <b>Class</b>  | 2.1   |
| <b>Subsidiary risk</b>  | -   |
| <b>Label(s)</b>   | None  |
| <b>Packing group</b>  | Not applicable.   |
| <b>Special precautions for user</b>   | Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling. |
| <b>Special provisions</b>   | N82   |
| <b>Packaging exceptions</b>   | 306   |
| <b>Packaging non bulk</b>   | None  |
| <b>Packaging bulk</b>   | None  |
| This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently. |   |

#### IATA

|                                     |   |
|-------------------------------------|---|
| <b>UN number</b>                    | UN1950  |
| <b>UN proper shipping name</b>      | Aerosols, flammable, containing substances in Division 6.1, Packing Group III   |
| <b>Transport hazard class(es)</b>   |   |
| <b>Class</b>                        | 2.1   |
| <b>Subsidiary risk</b>              | 6.1(PGIII)  |
| <b>Packing group</b>                | Not applicable.   |
| <b>Environmental hazards</b>        | No.   |
| <b>ERG Code</b>                     | 10P   |
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling. |

#### Other information

|                                     |          |
|-------------------------------------|----------|
| <b>Passenger and cargo aircraft</b> | Allowed. |
| <b>Cargo aircraft only</b>          | Allowed. |
| <b>Packaging Exceptions</b>         | LTD QTY  |

#### IMDG

|                                   |                 |
|-----------------------------------|-----------------|
| <b>UN number</b>                  | UN1950          |
| <b>UN proper shipping name</b>    | AEROSOLS        |
| <b>Transport hazard class(es)</b> |                 |
| <b>Class</b>                      | 2.1             |
| <b>Subsidiary risk</b>            | 6.1(PGIII)      |
| <b>Label(s)</b>                   | 2.1, 6.1        |
| <b>Packing group</b>              | Not applicable. |



**Environmental hazards**

**Marine pollutant**

No.

**EmS**

Not available.

**Special precautions for user**

Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.

**Packaging Exceptions**

NOT a LTD QTY

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

Not applicable.

**DOT**



**IATA; IMDG**



**15. Regulatory information**

**US federal regulations**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

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

Not regulated.

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

Ethylene Glycol (CAS 107-21-1)

Listed.

Methanol (CAS 67-56-1)

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 - Yes  
Fire Hazard - Yes  
Pressure Hazard - No  
Reactivity Hazard - No

**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical**

No

**SARA 313 (TRI reporting)**

| Chemical name   | CAS number | % by wt. |
|-----------------|------------|----------|
| Methanol        | 67-56-1    | 60 - 80  |
| Ethylene Glycol | 107-21-1   | 2.5 - 10 |

## Other federal regulations

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

Ethylene Glycol (CAS 107-21-1)

Methanol (CAS 67-56-1)

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

Propane (CAS 74-98-6)

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

## US state regulations

### US. Massachusetts RTK - Substance List

Carbon Dioxide (CAS 124-38-9)

Ethylene Glycol (CAS 107-21-1)

Isopropyl Alcohol (CAS 67-63-0)

Methanol (CAS 67-56-1)

Propane (CAS 74-98-6)

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

Carbon Dioxide (CAS 124-38-9)

Ethylene Glycol (CAS 107-21-1)

Isopropyl Alcohol (CAS 67-63-0)

Methanol (CAS 67-56-1)

Propane (CAS 74-98-6)

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

Carbon Dioxide (CAS 124-38-9)

Ethylene Glycol (CAS 107-21-1)

Isopropyl Alcohol (CAS 67-63-0)

Methanol (CAS 67-56-1)

Propane (CAS 74-98-6)

### US. Rhode Island RTK

Ethylene Glycol (CAS 107-21-1)

Isopropyl Alcohol (CAS 67-63-0)

Methanol (CAS 67-56-1)

Propane (CAS 74-98-6)

### US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

### US - California Proposition 65 - CRT: Listed date/Developmental toxin

Methanol (CAS 67-56-1)

Listed: March 16, 2012

## 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)               | 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 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 05-30-2015

**Version #**

01

**Disclaimer**

The information in the sheet was written based on the best knowledge and experience currently available. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.



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