



SAFETY DATA SHEET



1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Chemical Name: DEFROST

Product Number: 1007

Manufacturer Information: Sunrise Environmental Scientific

Remit: PO Box 10207 Reno, NV 89510

Physical: 1175 Industrial Way Sparks, NV 89431

Phone Number: 775-359-8494 or 800-648-1153

Pages: 3

Web: SUNRISENV.COM

Application: Windshield De-Icer

UN-Number: N/A

Emergency Phone No.

Chemtrec: 1-800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview:

Signal Word: DANGER

Keep out of reach of children.

Potential Health Effects:

Inhalation: Excessive inhalation of vapors may cause irritation of the respiratory tract, nausea, dizziness and/or headache.

Skin Contact: Prolonged contact may cause irritation and/or dryness of skin.

Ingestion: May cause serious health effects including vomiting, nausea and/or gastrointestinal irritation.



3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient:	CAS #	Component WT%	PEL	TLV	IDLH
Deicer	N/A	N/A	N/A	100 ppm	N/A
Methanol	67-56-1	N/A	200 ppm	200 ppm	25,000 ppm
Propellant (CO2)	124-38-9	N/A	5,000 ppm	5,000 ppm	50,000 ppm
Comments: None					

4. FIRST AID MEASURES

Inhalation: If affected by vapors, move to a well ventilated area immediately. If breathing is difficult seek physician help.

Skin Contact: Flush with water, immediately remove all contaminated clothing.

Ingestion: Do not induce vomiting and seek physician care.

Eye Contact: Immediately flush with plenty of water for at least 15 minutes. After initial flushing, remove any contact lenses and continue for at least 15 minutes and seek physician help.

Additional Information: Methanol is metabolized to formic Acid and Formaldehyde. These metabolites can cause metabolic acidosis, visual disturbances and blindness, the onset may be delayed from 6 to 30 hours following ingestion.

5. FIRE FIGHTING MEASURES

Flash Point: 86°F COC

Upper Flammable Limit (UEL): 36.5%

Lower Flammable Limit (LEL): 6.0%

Auto Ignition: N/D

Rate of Burning: N/D

General Fire Hazards: Aerosol can may explode and release flammable propellant. The vapors are heavier than air and may travel along the ground or be moved by ventilation and lightly by heat, pilot lights, other flames and ignition sources at locations distant from material handling point.

Hazardous Combustion Product: May produce irritating fumes in fire.

Extinguishing Media: Foam, CO2 and/or dry chemicals.

Fire Fighting Equipment/Instructions: Use SCBA equipment with full face piece operated in the positive pressure mode.

NFPA Rating: (Flammability 3) (Health 1) (Reactivity 0)

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Eliminate all the ignition sources such as electrical, static, frictional sparks and pilot. Isolate the area.

Environmental Precautions: Isolate the spilled area. Prevent additional further leakage or spillage, if safe to do so.

Method for Cleanup & Containment: Wear appropriate protective equipment and clothing during the clean-up. Use non-combustible material like vermiculite, sand, clay or other absorbent material to absorb the spilled liquid.

Additional Information: Follow local and federal regulations with regard to chemical spills.

7. HANDLING AND STORAGE

Handling Procedure: Avoid breathing mist or vapors. Avoid prolonged contact with skin. Avoid contact with eye. Wear suitable PPE.
Wash hands thoroughly after handling the product.

Storage Procedures: Keep in a well-ventilated place, away from open flame, heat, reactive chemicals and/or other source of ignition.
Prevent electrostatic charge build-up by using common bonding and grounding techniques.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Occupational Exposure Limits:

ACGIH Components: Use ventilation adequate to maintain TLV.

OSHA Components: No

Engineering Measures: Use fan in confined area. Use local exhaust ventilation.

Personal Protective Equipment (PPE): Utilize suitable protective clothing, and other appropriate PPEs to protect eyes and hands.

Hygiene Recommendations: Use caution appropriate to terpenes. Use protective equipment (apron and boots are optional).

Consider the effect of exposure potentials, handling practices, chemical concentration and ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear light

Physical State: Liquid

Vapor Pressure: 33A

Boiling Point: 102°F

Solubility (H₂O): Soluble in water

Freezing Point: N/D

Odor: Alcohol like odor

pH: N/D

Density: N/D

Evaporation Rate: 1

Vapor Density: N/D

Melting Point: N/D

Specific Gravity: 0.86

VOC: 93.0%

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions.

Conditions to Avoid: Heat, flames and sparks.

Incompatibility: Oxidizing agents, strong chemicals and alkali metals.

Hazardous Decomposition: Carbon monoxide and Carbon dioxide and formaldehyde.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Route of Entry: Inhalation, skin, ingestion and eye.

Acute Chronic Toxicity Data: May affect central nervous system on over exposure, effects includes fatigue, numbness, eye and skin irritation.

Harmful if swallowed.

NTP: No

IARC Monographs: No

Carcinogenicity: No component in this product is a carcinogenic.

Chronic Toxicity: Toxic or fatal if small amounts ingested. Over exposure may aggravate pre-existing disorders of the CNS.

12. ECOLOGICAL INFORMATION

Ecotoxicity: N/D

Persistence and Degradability: N/D

Bioaccumulative potential: N/D

Mobility in Soil: N/D

Other Adverse effects: N/D

13. DISPOSAL CONSIDERATIONS

Disposal Instructions: Follow local and federal disposal regulations. As a non-hazardous liquid waste, it should be solidified with stabilizing absorbent material before disposal.

14. TRANSPORTATION INFORMATION

US DOT Information: UN 1950, Aerosols, 2.1 (3), Limited Quantity

UN-Number: N/A

Marine Pollutant: N/D

Shipping Name: Defrost

Required Label: N/A

15. REGULATORY INFORMATION

Classification: Flammable

Hazard Symbol: Exclamation Point, Gas Cylinder, Flame, Health Hazard



US Federal Regulations

OSHA'S Hazard Communication Rule, 29 CFR 1910.1200-Is a combustible liquid, moderate skin irritant, moderate eye irritant and a skin sensitizer.

SARA Title III-This product contain chemicals subject to reporting requirements of levels establish by SARA Title III, section 313 (Methanol<85%) establish by SARA Title III, section 313.

State Regulations

California Prop. 65

WARNING: This product can expose you to chemicals including METHANOL, which is known to the State of California to cause cancer and/or cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



16. OTHER INFORMATION

SDS History

Date Prepared: 03/18/2014

Revision Date: 10/15/2021

Contact Information: Sunrise Environmental Scientific
Remit: PO Box 10207 Reno, NV 89510
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