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# Material Safety Data Sheet and Safe Handling and Disposal Information

## Section 1. Chemical Product and Company Identification

**Product name** Quick Melt Windshield and Lock De-Icer

**Product Code** ZACDIC12

**Date of issue** 09/19/06 **Supersedes**

**Emergency Telephone Numbers** **For a Medical Emergency:**  
INFOTRAC  
(877) 541-2016 (Toll Free - Calls Recorded)

**For a Transportation Emergency:**  
CHEMTREC  
(800) 424-9300 (Toll Free - Calls Recorded)

**Printing Date:**

**Prepared by** Compliance Services Group  
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## Section 2. Composition, Information on Ingredients

Name of Hazardous Ingredients	CAS #	% by Weight	Exposure Limits
ETHANOL; ethyl alcohol; grain alcohol	64-17-5	70 - 80	ACGIH TLV / OSHA PEL (United States). TWA: 1000 ppm 8 hour(s).
ETHYLENE GLYCOL; 1,2-ethandiol; glycol; ethylene dihydrate	107-21-1	20 - 30	ACGIH TLV (United States). TWA: 50 ppm 8 hour(s).

## Section 3. Hazards Identification

**Acute Effects** **Routes of Entry** Eye contact. Skin contact Inhalation. Ingestion.

**Skin** May cause skin irritation. Prolonged or repeated contact may dry skin and cause irritation. Skin inflammation is characterized by itching, scaling, or reddening.

**Eyes** Causes eye irritation. Liquid in eye may cause irritation with possible damage if not rinsed immediately. Inflammation of the eye is characterized by redness, watering, and itching.

**Inhalation** Avoid breathing vapors or spray mists. Over-exposure by inhalation may cause respiratory irritation. Prolonged exposure may cause narcotic effect. Can cause dizziness, lightheadedness, headache, nausea, and blurred vision.

**Ingestion** Harmful if swallowed. If ingested, call a physician or Poison Control Center immediately. Aspiration hazard if swallowed- can enter lungs and cause damage.

### HMIS

Health	2
Fire Hazard	3
Reactivity	0
Personal Protection	B

**Carcinogenic Effects** Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

**Chronic Effects** The substance may be toxic to kidneys, the nervous system, the reproductive system, liver. Repeated or prolonged exposure to the substance can produce target organs damage. Prolonged or repeated contact may dry skin and cause irritation. Inhalation and ingestion may cause drowsiness, dizziness, incoordination and other effects of intoxication. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

See Toxicological Information (section 11)

## Section 4. First Aid Measures

**Eye Contact** Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention immediately.

**Skin Contact** In case of contact, immediately flush skin with plenty of water. Get medical attention if irritation develops.

**Inhalation** If inhaled, remove to fresh air. If irritation persists, get medical attention.

**Ingestion** If ingested, call a physician or Poison Control Center immediately. If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

## Section 5. Fire Fighting Measures

**Flash Point** Not determined **Flammable Limits** Not determined.

**Flammability** FLAMMABLE. (CSMA)

**Fire Hazard** CONTENTS UNDER PRESSURE. Container explosion may occur under fire conditions or when heated. Cool closed containers exposed to fire with water.

**Fire-Fighting Procedures** Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion. Fire-fighters should wear proper protective equipment.



**Section 6. Accidental Release Measures****Spill Clean up** Large spills are unlikely due to packaging.**Section 7. Handling and Storage****Handling** Keep away from heat, sparks and flame. Avoid contact with eyes, skin and clothing. Do not ingest. Use only with adequate ventilation. Avoid breathing vapors of this product. Wash thoroughly after handling.**Storage** CONTENTS UNDER PRESSURE. Keep container in a cool, well-ventilated area. Avoid all possible sources of ignition (spark or flame). Do not store above 49°C (120.2°F). Do not puncture or incinerate. Keep away from food, drink and animal feeding stuffs. Keep out of the reach of children.**Section 8. Exposure Controls, Personal Protection****Personal Protection****Eyes** Safety glasses.  
**Body** For prolonged or repeated handling, use gloves.  
**Respiratory** Use with adequate ventilation.**Protective Clothing (Pictograms)****Section 9. Physical and Chemical Properties****Physical State** Liquid. (Aerosol.)**Color** Clear. Colorless.**pH** Not applicable.**Odor** Strong.**Boiling Point** Not determined.**Vapor Pressure** 2.7 kPa (20 mmHg) (at 20°C)**Specific Gravity** 0.84 (Water = 1)**Vapor Density** Not determined**Solubility** Easily soluble in cold water, hot water.**Evaporation Rate** >1**VOC (Consumer)** 813.39 (g/l). (96.7%)**Section 10. Stability and Reactivity****Stability and Reactivity** The product is stable.**Incompatibility** Avoid contact with strong oxidizers, excessive heat, sparks or open flame.**Hazardous Polymerization** Will not occur.**Hazardous Decomposition Products** Carbon Dioxide, Carbon Monoxide and other organic materials..**Section 11. Toxicological Information****Toxicity to Animals****Ethanol:**

ORAL (LD50): Acute: 7060 mg/kg [Rat].

**Ethylene Glycol:**

ORAL (LD50): Acute: 4000 mg/kg [Rat].

DERMAL (LD50): Acute: &gt;2000 mg/kg [Rat ].

**Section 12. Ecological Information****Ecotoxicity** Not available.**Biodegradable/OECD** Not available.**Section 13. Disposal Considerations****Waste Information** Waste must be disposed of in accordance with federal, state and local environmental control regulations.**Waste Stream** Code: D001  
Classification: - (Hazardous waste.)  
Origin: - (RCRA waste.)**Consult your local or regional authorities.****Section 14. Transport Information****Proper shipping name** Consumer Commodity**DOT Classification** ORM-D**UN number** Not regulated.**TDG Classification** ORM-D**Section 15. Regulatory Information****U.S. Federal Regulations** SARA 313 toxic chemical notification and release reporting:

Ethylene Glyco

Clean Water Act (CWA) 311: No products were found.

Clean air act (CAA) 112 regulated toxic substances: Ethylene Glycol

All Components of this product are listed or exempt from listing on TSCA inventory.

**State Regulations** California prop. 65: No products were found.**WHMIS (Canada)** Class A: Compressed gas.  
Class B-5: Flammable aerosol.  
Class D-2A: Material causing other toxic effects (VERY TOXIC).

**Section 16. Other Information**

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.*

*Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*