

MATERIAL SAFETY DATA SHEET

(Prepared According to 29 CFR 1910.1200)

Prepared by: _____

Effective Date 8/02

N/A=Not Applicable

SECTION 1 - PRODUCT IDENTIFICATION

Product Name: De-Ice
Generic Name: De-Icer
Suppliers Name: Ultra Chem, Inc.
Suppliers Address: 8043 Flint
Lenexa, KS 66214
Chemical Family: De-Icer
Formula: U513
Information Phone Number: 913-492-2929
Emergency Phone Number: 800-451-0726
Proper Shipping Name: Flammable Liquids, N.O.S., 3, UN1993, PG II (Contains: Isopropanol)

HMIS Hazardous Materials
Identification System

Health	1
Flammability	2
Reactivity	0
Maximum Personal Protection	X

SECTION 2 - HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS NO.	WT.%	PEL	TWA-TLV	STEL-TLV	CARCINOGEN
Isopropyl Alcohol	67-63-0	< 45	400 ppm	400 ppm	500 ppm	No
Propylene Glycol	57-55-6	< 35	No Info	No Info	No Info	No

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of CFR 372:

CAS#	Chemical Name	Percent by Weight
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SECTION 3 - PHYSICAL DATA

Boiling Range (°F): 180 - 374°
Vapor Pressure: 1.00mm/Hg @ 70°F
% Volatile: 99
Solubility in Water: Complete
Physical Description: Clear Liquid, Alcohol Odor.
Specific Gravity: .960 ± .005
Vapor Density: Heavier than Air
pH: 8.5 ± 0.5
Evaporation Rate: 2.5

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): 75° (SETA)
Upper Explosive Limit: 73 Lower Explosive Limit: 12
Extinguishing Media: Dry Chemical, Foam, CO2
Special Fire Fighting Procedures: Full Bunker Gear and Full Face SCBA
Unusual Fire and Explosion Hazards: Vapor may travel a considerable distance to source of ignition and flash back..

SECTION 5 - REACTIVITY DATA

Stability: Stable
Incompatibility (Materials to Avoid): Strong Oxidizers.
Hazardous Decomposition Products: CO, CO2
Hazardous Polymerization: Will not occur.

SECTION 6 - STORAGE AND HANDLING INFORMATION

Precautions to be Taken in Handling and Storage: Keep out of reach of children.
Keep container tightly closed when not in use.
Store away from oxidizers.
For Trained Industrial and Institutional Personnel only.

SECTION 7 - HEALTH HAZARDS AND FIRST AID

Effects of Overexposure:
Primary Route of Entry:
Skin: May cause minimal irritation. Prolonged contact may cause allergic reaction and skin damage.
Eyes: May cause irritation, redness and eye damage.
Inhalation: May cause irritation, headaches.
Ingestion: May cause irritation, nausea, vomiting and diarrhea.

First Aid Procedures:
Skin: Immediately flush skin with plenty of water while removing contaminated clothing.
Eyes: Flush with water for 15 minutes while lifting eyelids to assure complete removal. Get medical attention.
Inhalation: Remove to fresh air. If breathing has stopped, give artificial respiration. Get medical attention.
Ingestion: Do not induce vomiting. If conscious, dilute stomach contents by drinking water. Call a physician immediately.

SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection: NIOSH/OSHA approved respirators for materials in section 2 when ventilation is restricted.
Protective Gloves: Rubber gloves.
Other Protective Equipment: Clean protective clothing.

Ventilation: Adequate ventilation is required to minimize exposure or to maintain exposure levels below OSHA/ACGIH requirements.
Eye Protection: Safety glasses or chemical goggles.

SECTION 9 - SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled:
Wear appropriate protective and respiratory equipment.
Prevent spills from entering sewers or any unauthorized water systems.

Waste Disposal Method:
Dispose in accordance with appropriate Federal, State and Local regulations.