

## MATERIAL SAFETY DATA SHEET

(Prepared According to 29 CFR 1910.1200)

<b>SECTION 1 - PRODUCT IDENTIFICATION</b>	
Trade Name LIQUID ICE MELT	Product Type De-icer Liquid

SECTION 2 - HAZARDOUS INGREDIENTS			
CHEMICAL NAME/COMMON NAME	CAS NO.	PERCENT(optional)	TLV(Source)
Isopropyl Alcohol	67-63-0		400 ppm TWA(OSHA); 400 ppm (ACGIH)
Propylene Glycol	57-55-6		50 ppm(AIHA WEEL)

SARA HAZARD TITLE III, SECTION 313-CONTAINS THE STARRED INGREDIENT(S) AT THE INDICATED PERCENTAGES  
 Other ingredients in this product are :  Less than 1% by weight or less than 0.1% for carcinogens  Not hazardous  Declared to be Trade Secret

SECTION 3 - PHYSICAL DATA			
Boiling point(°F.) Near 212	Specific Gravity(H2O=1.0) (± 0.005) 0.975	pH (± 0.5) 7.0	
Vapor Pressure(mm Hg) Unknown	Vapor Density(Air=1) Unknown		
Solubility in water <input checked="" type="checkbox"/> Complete <input type="checkbox"/> Insoluble <input type="checkbox"/> Emulsifiable (or Dispersible) <input type="checkbox"/> Slight (or Partial)			
Evaporation Rate(vs. H2O) <input type="checkbox"/> Faster <input type="checkbox"/> Slower <input checked="" type="checkbox"/> About the Same			
Appearance and Odor Liquid, alcohol odor			

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA			
Flash Point(T.C.C.) Greater than 100(DOT) °F. <input type="checkbox"/> None to Boiling	Flammable Limits Upper Unknown	Lower Unknown	
Extinguishing Media CO2, dry chemical, foam, water spray			
Special Firefighting Procedures Combustible liquid. Do not enter confined fire-spaces without protective clothing and self-contained air supply. Cool fire exposed containers.			
Unusual Fire and Explosion Hazards None known.			

SECTION 5 - REACTIVITY DATA	
Stability Stable	Incompatibility Strong oxidizers
Hazardous Decomposition Products Carbon monoxide and other unidentified organic gases may occur during incomplete combustion.	

SECTION 6 - HEALTH HAZARDS	
Primary Routes of Exposure <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Skin <input checked="" type="checkbox"/> Oral <input type="checkbox"/> Inhalation <input type="checkbox"/> Other	
Signs and Symptoms Prolonged contact of concentrated product with skin and/or eyes will cause irritation. Swallowing may irritate mouth, throat or stomach. Possible vomiting or diarrhea may occur. (Acute)	
Signs and Symptoms of Overexposure(Chronic) Prolonged and repeated exposure to vapors may cause damage to kidneys, liver, lungs blood or central nervous system.	
Medical Conditions Aggravated by Overexposure Not known.	Carcinogen/Suspect Carcinogen Ingredients <input type="checkbox"/> NTP <input type="checkbox"/> OSHA <input type="checkbox"/> IARC <input checked="" type="checkbox"/> NONE

SECTION 7 - EMERGENCY AND FIRST AID PROCEDURES	
Eyes	Flush immediately with water for at least 15 minutes. If persistent irritation occurs, call a physician.
Skin	Wash thoroughly with soap and water.
Ingestion	Drink large quantities of water. Call a physician.
Inhalation	Not applicable

SECTION 8 - SPECIAL PROTECTION INFORMATION	
Respiratory Protection	May be needed in enclosed or poorly ventilated areas where vapor concentration may exceed allowable limits.
Ventilation Requirements <input type="checkbox"/> Local Exhaust <input checked="" type="checkbox"/> Mechanical <input type="checkbox"/> Room Ventilation Is Adequate	
Protective Gloves	Eye Protection Goggles Other Protective Clothing Not required for normal use

SECTION 9 - SPILL OR LEAK PROCEDURES	
Steps to be Taken if Released or Spilled	Absorb with suitable absorbent. For large spills, absorb with suitable absorbent, then shovel into containers.
Waste Disposal Methods Dispose of in accordance with applicable Federal, State and Local ordinances.	

SECTION 10 - STORAGE AND HANDLING INFORMATION	
Precautions to be Taken Avoid contact with skin eyes and clothing. Wash thoroughly after handling. Use with adequate ventilation. in Handling and Storage	

The health hazards given on the Material Safety Data Sheet apply to this product in its concentrated form (as supplied) and may differ significantly at use dilution. The signs and symptoms of over exposure apply only to negligence in handling or misuse of the concentrated product and not to the routine exposure to the product, under normal conditions of use.

DATE PREPARED JANUARY 20, 2011