

MATERIAL SAFETY DATA SHEET

N/A = Not Applicable

(Prepared According To 29 CFR 1910.1200)

Effective Date: 12/09

SECTION 1 - PRODUCT IDENTIFICATION

Product Name: North Woods® De-Ice
Generic Name: Instant ice & frost remover.
Suppliers Name: SUPERIOR CHEMICAL CORP.
Suppliers Address: 1331 Wisconsin Avenue, Sheboygan, WI 53081
Phone: 800-242-7694
EMERGENCY PHONE: 800-535-5053

Chemical Family: N/A
Formula: N/A

NPCA Hazardous Materials Identification System

Health	3
Flammability	3
Reactivity	1
Maximum Personal Protection	A

SECTION 2 - HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS NO.	WT.%	PEL	TWA-TLV	STEL-TLV	CARCINOGEN
Carbon Dioxide	124-38-9	2 - 5	5000ppm	5000ppm	N / A	No
Ethylene Glycol *	107211	10 - 17	N / A	100mg/m3	N / A	No
Isopropyl Alcohol	67-63-0	10 - 20	400ppm	400ppm	N / A	No
Methyl Alcohol *	67-56-1	65 - 75	200ppm	250ppm	N / A	No

*Subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 & 40 CFR372.

SECTION 3 - PHYSICAL DATA

Boiling Range (°F): N / A
Vapor Pressure: < 95
% Volatile: N / A
Solubility in Water: 99%
Physical Description: Clear spray with alcohol odor.

Specific Gravity: 0.82
Vapor Density: >1
pH: N / A
Evaporation Rate: >1
VOC's: 6.38 lbs/gal.

SECTION 4 - FIRE & EXPLOSION HAZARD DATA

Flash Point (method used): 65°F (TCC)
Upper Explosive Limit: 30
Lower Explosive Limit: 6
Extinguishing Media: Standard dry chemical fire extinguisher.
Special Fire Fighting Procedures: Self contained breathing apparatus.
Unusual Fire & Explosion Hazards: Flammable. Contents under pressure. Exposure above 120°F may cause bursting.

SECTION 5 - REACTIVITY DATA

Stability: Stable
Incompatibility (materials to avoid): Strong oxidizers, acids, and bases. May be corrosive to lead and aluminum.
Hazardous Decomposition Products: Formaldehyde, Carbon Dioxide, Carbon Monoxide.

SECTION 6 - STORAGE & HANDLING INFO

Precautions To Be Taken In Handling & Storage:
Keep out of reach of children. Store in a cool, dry area. Keep away from heat, flames, or sparks.

SECTION 7 - HEALTH HAZARDS AND FIRST AID

Effects of Overexposure
Primary Route of Entry:
Skin: May cause slight irritation.

Eyes: Irritation, tearing or burning.

Inhalation: Irritate mucous membranes, headaches, nausea, unconsciousness.

Ingestion: Contains Methanol which causes blindness and can lead to death.

First Aid Procedures:
Skin: Wash with soap and water.

Eyes: Flush with water for 15 minutes. Seek medical attention.

Inhalation: Remove to fresh air. Seek medical attention.

Ingestion: Do not induce vomiting. Life threatening. Seek medical attention immediately.

SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection: NIOSH approved respirator if over exposure levels.
Protective Gloves: N / A
Other Protective Equipment: N / A

Ventilation: Adequate local exhaust.

Eyes: Safety goggles are recommended whenever chemicals are used.

SECTION 9 - SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled:
Mop up or otherwise absorb and hold for disposal.

Waste disposal method:
Any method in accordance with applicable laws.

Notice to reader: 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 material 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. **FOR FURTHER INFORMATION OR TO DOWNLOAD ADDITIONAL MSDS GO TO www.northwoodstm.com

** The health hazards given on this 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 overexposure apply only to negligence in handling or misuse of the concentrated product and not to the routine exposure of the diluted product under conditions or ordinary use.