



# SAFETY DATA SHEET

Name of Product:

**Alpine Ice-Melt**

Product #: See Section 1

Revision Date: May 19, 2016

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## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME: Alpine Ice-Melt  
SYNONYMS: Deicing Fluid, Antiicing Fluid  
PRODUCT CODES: I000008, I000037, I000102, F000138, F000273, F000277, F000278, F000318

MANUFACTURER: Nachurs Alpine Solutions Industrial

CORPORATE ADDRESS: 421 Leader Street  
Marion, OH 43302, United States

PHONE: 800-622-4877 (USA)  
800-265-2268 (CANADA)

EMERGENCY PHONE: United States: Chemtrec: 800-424-9300 (CCN# 15189)  
Canada: CANUTEC: 613-996-6666  
I TECH 877-324-4402

CHEMICAL NAME: Potassium Acetate  
CHEMICAL FAMILY: Organic acid, potassium salt  
CHEMICAL FORMULA: CH<sub>3</sub>COOK

PRODUCT USE: Deicing fluid, Antiicing fluid.

PREPARED BY: Nachurs Alpine Solutions Technical Services

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## SECTION 2: HAZARDS IDENTIFICATION

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GHS ELEMENTS:

Hazard Classification: Eye Irritation (Category 2B).

Pictogram: None.

Signal Word: Warning

Hazard Statements: Causes eye irritation.

Precautionary Statements: Wash skin thoroughly after handling. Wear protective gloves, clothing, eye and face protection.  
If swallowed, rinse mouth. Do NOT induce vomiting.  
If on hair or skin, remove all contaminated clothing and rinse skin with water.  
If inhaled, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
If in eyes, rinse carefully with water for several minutes. Remove contactlenses, if able and continue rinsing.  
Immediately call a poison center or doctor/physician. See First Aid instruction for specific treatment.  
Wash contaminated clothing before reuse. Absorb spillage to prevent material damage.

### POTENTIAL HEALTH EFFECTS

EYES: May cause irritation.  
SKIN: May cause irritation.  
INGESTION: May cause irritation.  
INHALATION: May cause irritation.

ACUTE HEALTH HAZARDS: Causes eye irritation. Possible skin irritation.

CHRONIC HEALTH HAZARDS: None known.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known.

### CARCINOGENICITY:

OSHA: No  
ACGIH: No

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NTP: No  
IARC: No  
CA Prop 65: No

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT:			CAS No.
Potassium Acetate	50%		127-08-2
Water	50%		7732-18-5
Corrosion Inhibitor	<1%		Proprietary

SARA 313 REPORTABLE: N/A

OHSA PEL-TWA: N/A  
OSHA PEL-STEL: N/A  
OSHA PEL CEILING: N/A

ACGIH TLV-TWA: N/A  
ACGIH TLV-STEL: N/A  
ACGIH TLV CEILING: N/A

## SECTION 4: FIRST AID MEASURES

EYES: Flush with water immediately and thoroughly for 15 minutes. If irritation persists, seek medical attention.

SKIN: Thoroughly wash with soap and water. If irritation persists, seek medical attention.

INGESTION: If victim is conscious and alert, give milk or water to drink. Seek medical attention.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. Seek medical attention.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Treat symptomatically.

## SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR: Not flammable.

FLASH POINT: N/A

METHOD USED: N/A

AUTOIGNITION TEMPERATURE: N/A

### NFPA HAZARD CLASSIFICATION

HEALTH: 1  
FLAMMABILITY: 0  
REACTIVITY: 0  
OTHER: 0

### HMIS HAZARD CLASSIFICATION

HEALTH: 1  
FLAMMABILITY: 0  
REACTIVITY: 0  
PROTECTION: B

EXTINGUISHING MEDIA: Water or media suitable for surrounding material.

SPECIAL FIRE FIGHTING PROCEDURES: Proper safety equipment to include SCBA operated in positive pressure mode.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Carbon monoxide and/or carbon dioxide may be released.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and/or carbon dioxide.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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ACCIDENTAL RELEASE MEASURES: Confine the spill to a diked area or sump, if possible, and recover as much of the product as possible. Place in suitable containers. Dispose in accordance with all federal, state, and local regulations.

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## SECTION 7: HANDLING AND STORAGE

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HANDLING AND STORAGE: Keep in a cool dry, well-ventilated place. Keep container tightly closed. Store in suitable containers made of mild steel, stainless steel, plastic or fiberglass. Wear suitable personal protective equipment.

OTHER PRECAUTIONS: Always use good safety and industrial hygienic practices.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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ENGINEERING CONTROLS: Good hygienic operating protocols are always recommended.

VENTILATION: Provide local ventilation as necessary.

RESPIRATORY PROTECTION: Respiratory protection is not normally required unless excessive heat or reaction results in release of carbon dioxide or carbon monoxide. In enclosed spaces, these gases can displace oxygen causing possible suffocation, thus use a self-contained breathing apparatus. Do not use air purifying respirators.

EYE PROTECTION: Safety goggles and full face shield.

SKIN PROTECTION: Rubber gloves.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: N/A

WORK HYGIENIC PRACTICES: Wash hands thoroughly after handling.

EXPOSURE GUIDELINES: N/A

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE: Clear, nearly colorless liquid. May be dyed per customer request, generally clear blue or clear green.

ODOR: Mild odor.

ODOR THRESHOLD: No data available.

PHYSICAL STATE: Liquid.

pH AS SUPPLIED: 9.0 - 11.0

MELTING POINT: Unknown

FREEZING POINT: F°: -72  
C°: -58

BOILING POINT: >200°F  
>93.3°C

FLASH POINT: N/A

METHOD USED: N/A

EVAPORATION RATE: N/A

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FLAMMABLE LIMITS IN AIR:	Not flammable.		
VAPOR PRESSURE (mmHg):	No data available.		
VAPOR DENSITY (AIR = 1):	No data available.		
SPECIFIC GRAVITY (20°C):	1.28 kg/L		
DENSITY (20°C):	1.28 kg/L 10.65 LBS/GAL		
SOLUBILITY IN WATER:	Complete		
PARTITION COEFFICIENT:	n-octanol/water – N/A		
PERCENT SOLIDS BY WEIGHT:	50		
PERCENT VOLATILE:	50		
VOLATILE ORGANIC COMPOUNDS (VOC):	None		
AUTOIGNITION TEMPERATURE:	N/A		
VISCOSITY:	<u>Temperature °C</u>	<u>cSt.</u>	<u>cPs.</u>
	20	4.7	6.0
	0	9.8	12.5
	-10	16.5	21.1
	-20	30.6	39.1

## SECTION 10: STABILITY AND REACTIVITY

	STABLE	UNSTABLE
STABILITY:	x	
CONDITIONS TO AVOID (STABILITY):	Extreme heat.	
INCOMPATIBILITY (MATERIAL TO AVOID):	Strong acids or strong oxidizing agents.	
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:	Carbon monoxide and/or carbon dioxide.	
HAZARDOUS POLYMERIZATION:	Will not occur.	

## SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:	EPA 40CFR797.1300 Daphnid Acute Toxicity: 48 hour LC <sub>50</sub> : 2825 mg/L EPA 40CFR797.1400 Fish Acute Toxicity: 96 hour LC <sub>50</sub> : 2925 mg/L
ACUTE TOXICITY:	LD50 (Rat, Oral): 3250 mg/kg

## SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:	BOD: 0.21 kg O <sub>2</sub> /kg COD: 0.35 kg O <sub>2</sub> /kg
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## SECTION 13: DISPOSAL CONSIDERATIONS

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WASTE DISPOSAL METHOD: Reclaim and reuse as much as possible. Dispose in accordance with all federal, state, and local regulations.

RCRA HAZARD CLASS: No.

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## SECTION 14: TRANSPORT INFORMATION

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U.S. DEPARTMENT OF TRANSPORTATION:

GROUND TRANSPORTATION:

PROPER SHIPPING NAME: Alpine Ice-Melt  
HAZARD CLASS: N/A  
ID NUMBER: N/A  
PACKING GROUP: N/A  
LABEL STATEMENT: N/A

WATER TRANSPORTATION (IMDG):

PROPER SHIPPING NAME: Alpine Ice-Melt  
HAZARD CLASS: N/A  
ID NUMBER: N/A  
PACKING GROUP: N/A  
LABEL STATEMENTS: N/A

AIR TRANSPORTATION (IATA):

PROPER SHIPPING NAME: Alpine Ice-Melt  
HAZARD CLASS: N/A  
ID NUMBER: N/A  
PACKING GROUP: N/A  
LABEL STATEMENTS: N/A

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## SECTION 15: REGULATORY INFORMATION

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CHEMICAL INVENTORY LISTS:

TSCA (U.S. Toxic Substances Control Act):	Yes
TSCA Section 12(b):	No
DSL (Canadian Domestic Substances List):	Yes
EINCS (European Inventory of Existing Commercial Chemical Substances):	Yes
AICS (Australia):	Yes
IECSC (China):	Yes
ENCJ (Japan):	Yes

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): No

CLEAN AIR ACT (CAA): Contains no priority air pollutants.

CLEAN WATER ACT (CWA): Contains no priority water pollutants.

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## SECTION 16: OTHER INFORMATION

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DISCLAIMER: The information contained herein is offered only as a guide to the handling of this specific material and has been prepared in good faith by technically knowledgeable personnel. It is not intended to be all-inclusive and the manner and conditions of use and handling may involve other and additional considerations. No warranty of any kind is given or implied and Nachurs Alpine Solutions will not be liable for any damages, losses, injuries or consequential damages which may result from the use or reliance on any information contained herein.

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