

MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND MANUFACTURER'S INFORMATION						
NFPA Rating: Health-2; Flammability-3; Reactivity-0; Special-			HMIS Rating: Health-2; Flammability-3; Reactivity-0; Personal Protection-B			
Manufacturer's Name: AMREP INC. Address: 990 Industrial Park Drive Marietta, GA 30062			DOT Hazard Classification: ORM-D Identity (trade name as used on label): MISTY WINDSHIELD DE-ICER			
Date Prepared: 10/12/05		Prepared By: IB/TR		MSDS Number: A00796 Revision- 1		
Information Calls: (770) 422-2071 EMERGENCY RESPONSE NUMBER: 1(800) 255-3924			NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA			
SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION						
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)		CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
METHANOL		67-56-1	Yes	200	200	d
CARBON DIOXIDE		124-38-9	No	5000	5000	d
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS						
Boiling Point: N/A			Specific Gravity (H2O=1): Concentrate Only = 0.900			
Vapor Pressure: PSIG @ 70°F (Aerosols): 90 - 100			Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): N/A			
Vapor Density (Air = 1): N/E			Evaporation Rate (= 1): N/E			
Solubility in Water: Soluble			Water Reactive: No			
Appearance and Odor: Clear liquid with alcohol odor.						
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA						
FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols) EXTINGUISHES FLAME: NOT CATEGORIZED FLAMMABLE		Auto Ignition Temperature N/E		Flammability Limits in Air by % in Volume: % LEL: N/E % UEL: N/E		
FLASH POINT AND METHOD USED (liquid concentrate only): 55 - 90°F (TCC)			EXTINGUISHER MEDIA: Foam, dry chemical, carbon dioxide.			
SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus.						
Unusual Fire & Explosion Hazards: Do not expose aerosols to temperatures above 130°F or the container may rupture. Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, or other ignition sources at locations distant from material handling point.						
SECTION 4 - REACTIVITY HAZARD DATA						
STABILITY <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE			HAZARDOUS POLYMERIZATION <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT OCCUR			
Incompatibility (Mat. To avoid): Oxidizing materials.			Conditions to Avoid: Open flame, welding arcs, extreme heat, sparks.			
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, and trace amounts of NO2 and NO.						
SECTION 5 - HEALTH HAZARD DATA						
PRIMARY ROUTES OF ENTRY: <input checked="" type="checkbox"/> INHALATION <input type="checkbox"/> INGESTION <input checked="" type="checkbox"/> SKIN ABSORPTION <input type="checkbox"/> EYE <input type="checkbox"/> NOT HAZARDOUS						
ACUTE EFFECTS						
Inhalation: Excessive inhalation of vapors can be harmful and may cause headache, dizziness, drowsiness, nose throat and respiratory irritation, nausea, fatigue, asphyxia, anesthetic effects and possible unconsciousness.						
Eye Contact: Irritation, stinging, tearing, redness and swelling			Skin Contact: Irritation, redness, burning drying and cracking.			
Ingestion: Nausea, vomiting, diarrhea possible blindness. POISONOUS – Cannot be made non-poisonous.						
CHRONIC EFFECTS: (Effects due to excessive exposure to the raw materials of this mixture) May cause central nervous system effects, lung damage, brain damage, & blindness.						
Medical Conditions Generally Aggravated by Exposure: May aggravate existing eye, skin, or upper respiratory conditions.						
EMERGENCY FIRST AID PROCEDURES						
Eye Contact: Flush with water for at least 15 minutes. If irritated, seek medical attention.						
Skin Contact: Wash affected areas with soap and water. Remove contaminated clothing and launder before re-wearing. If irritated, seek medical attention.						
Inhalation: Remove to fresh air. Resuscitate if necessary. Get medical attention. This product contains methanol, which can cause intoxication and central nervous system depression. Methanol is metabolized to formic acid and formaldehyde. These metabolites can cause metabolic acidosis, visual disturbances and blindness.						
Ingestion: Drink two large glasses of water, INDUCE VOMITING BY EITHER GIVING SYRUP OF IPECAC OR BY PLACING FINGER AT THE BACK OF THROAT. Get immediate medical attention.						
SECTION 6 - CONTROL AND PROTECTIVE MEASURES						
Respiratory Protection (specify type): If vapor concentration exceeds TLV, use respirator approved by NIOSH in positive pressure mode.						
Protective Gloves: Neoprene if skin easily irritated.			Eye Protection: Safety glasses recommended.			
Ventilation Requirements: Adequate ventilation to keep vapor concentration below TLV.						
Other Protective Clothing & Equipment: None						
Hygienic Work Practices: Wash with soap and water before handling food.						
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE						
Steps To Be Taken If Material Is Spilled Or Released: Eliminate all sources of ignition such as flares, flames (including pilot lights) and electrical sparks. Absorb spilled liquid with vermiculite, floor absorbent or other absorbent material. Place in closed drum for proper disposal. Incinerate or landfill according to local, state or federal regulations. Prevent run-off of liquid into sewers, streams or other bodies of water. Notify proper authorities as required that a spill has occurred.						
Waste Disposal Methods: Aerosol cans when vented to atmospheric pressure through normal use pose no disposal hazard.						
Precautions To Be Taken In Handling & Storage: Do not puncture or incinerate containers. Do not store at temperatures above 130°F.						
Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. Avoid food contamination. Remove ignition sources. Avoid inhalation of spray mist.						

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

** Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only