

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-3; Flammability-3; Reactivity-0; Special- -	HMIS Rating: Health-3; Flammability-3; Reactivity-0; Personal Protection-B
Manufacturer's Name: AMREP, INC.	DOT Hazard Classification: Flammable Liquid, 3
Address: 990 Industrial Park Drive Marietta, GA 30062	Identity (trade name as used on label): MISTY WINDSHIELD WASHER SOLVENT
Date Prepared: 12/15/93 Prepared By: ES	MSDS Number: R 795 Revision - 9
Information Calls: (770)422-2071	NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA
EMERGENCY RESPONSE NUMBER: 1(800)255-3924	

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

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 97°F	Specific Gravity (H2O=1): 0.945
Vapor Pressure: PSIG @ 70°F (Aerosols): N/A	Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): 68°F 27 mm/Hg
Vapor Density (Air = 1): N/D	Evaporation Rate (water = 1): >1
Solubility in Water: Miscible	Water Reactive: No
Appearance and Odor: Clear, blue, non-viscous liquid with alcohol odor.	

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols) N/A	Auto Ignition Temperature 385°C	Flammability Limits in Air by % in Volume: % LEL: 6.0 % UEL: 36.5
FLASH POINT AND METHOD USED (non-aerosols): 91°F TCC	SPECIAL FIRE FIGHTING PROCEDURES: Full protective clothing & self-contained breathing apparatus should be worn when exposed to vapors or products of combustion.	
EXTINGUISHER MEDIA: Water spray, alcohol foam, CO2, dry chemical.		
Unusual Fire & Explosion Hazards: None known.		

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): Alkali & alkaline earth metals, anything reactive to water.	Conditions to Avoid: Heat, sparks, open flame.
Hazardous Decomposition Products: Oxides of carbon, formaldehyde, methanol vapors.	

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: Prolonged or repeated exposures by any route may cause systemic poisoning including varying degrees of temporary or permanent visual damage.	
Inhalation: May irritate respiratory mucous membranes. May cause systemic toxicity.	
Eye Contact: May cause eye irritation. Sufficient absorption for systemic toxicity unlikely.	Skin Contact: May cause irritation & dryness. Absorption from prolonged contact may cause systemic toxicity.
Ingestion: Causes dizziness, headache, acidosis, visual disturbances & damage & possible unconsciousness.	
CHRONIC EFFECTS: Methanol poisoning can result in permanently impaired vision or blindness & degenerative damage to internal organs. The effects of methanol may be cumulative.	
Medical Conditions Generally Aggravated by Exposure: Not specifically known.	

EMERGENCY FIRST AID PROCEDURES

Eye Contact: Flush with large amounts of water for 15 minutes. If irritation persists, get medical attention.
Skin Contact: Wash with large amounts of water. If irritation persists, get medical attention.
Inhalation: Remove to fresh air. Give artificial respiration or oxygen as needed. If symptoms develop, get medical attention.
Ingestion: Give 2 glasses of water and INDUCE VOMITING . Repeat until vomitus is clear. Get immediate medical attention. Never give anything by mouth to an unconscious person.

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (specify type): None needed under normal conditions of handling and usage.	Eye Protection: Chemical goggles or full face shield.
Protective Gloves: Impervious gloves.	Ventilation Requirements: No special ventilation is needed under normal conditions of handling. If mechanical ventilation is required, use explosion-proof ventilation.
Other Protective Clothing & Equipment: Impervious clothing as needed where splashing is a problem. Eyewash stations and safety showers.	
Hygienic Work Practices: Do not eat, drink or smoke in work area. Wash hands after handling.	

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken If Material Is Spilled Or Released: Contain spill. Soak up in inert absorbent material. Place in leak-proof containers. Seal & properly label containers.
Waste Disposal Methods: Dispose of in accordance with all local, state and federal regulations.
Precautions To Be Taken In Handling & Storage: Store in original shipping containers. Keep closed when not in use. Shelf life 1 year. Store in cool area away from heat, sparks or open flame.
Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. Read & follow label directions.

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



TECHNICAL DATA SHEET

B00795 Windshield Washer Solvent

Description: This product is formulated with special de-icing compounds to prevent freezing of windshield washer units and windshield wipers. Product will provide clearer, safer vision during freezing weather. Product contains cleaning compounds to remove dirt, oils, and road film from windshields, so it may be used for year around maintenance use.

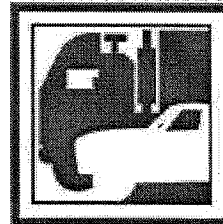
- Defrosts & Prevents Re-Icing
- Cleans Dirt, Dust & Road Soils
- Improves Visibility & Safety

General Directions: See Example Label & MSDS for specific information regarding product usage. Always Test in an inconspicuous area before general use.

Market Info:	USDA's Category Under Former Rating Program	N/A
	Dilution Ratio	See Label
Physical Properties:	Appearance	Clear Liquid
	Color	Blue
	Fragrance/Odor	Alcohol
	Evaporation Rate (Water=1)	>1
	Solubility In Water	Miscible
	pH	6-8
	Specific Gravity	0.945
	Viscosity	<25cps
	Weight per gallon (lb/gal)	7.88
	Boiling Point (F)	97 ⁰ F
	Freeze/Thaw Stable	Passes 3 cycles
	Shelf Life	Minimum 1 yr.
Environmental Profile:	Biodegradable surfactants; Water based formula	Yes
	% Phosphorus (elemental) (If < 0.5%, then express as PPM)	None
	Ozone Depleting Compounds	None
	Chlorinated Solvents, Fluorocarbons or Phenol Compounds	None
	Concentrated; Works at room temperature	Yes
	Dibutyl Phthalate; NTA; EDTA; DEA	None
	Acidic; Caustic; Alkaline; Corrosive; Reactive	No
	Contain heavy metals	No
	Recyclable Packaging	Yes
Regulatory:	% VOC (by weight) concentrate	33.78%
	Meets Current Consumer Products VOC Guidelines (OTC & Federal)	Yes
	Flammable (Flash point \leq 142F)	Yes
	HAPs (Hazardous air pollutants)	Yes
	Combustible (Flash point > 142F, but \leq 200F)	No
	CA Safe Drinking Water (PROP. 65) Ingredients	No
	Carcinogens, Mutagens, Teratogens (NTP, IARC, OSHA)	No
	SARA TITLE III, Sect. 313 Reportable	Yes
	DOT Hazard Classification	Flammable Liquid

Note: Additional unknown trace elements may alter results.

Auto & Fleet Maintenance



HMIS Rating

Health=3
Flammability=3
Reactivity=0
Personal Protection=B

NFPA Rating

Health=3
Flammability=3
Reactivity=0

Manufactured by:



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