

# Material Safety Data Sheet

This MSDS complies with OSHA's Hazard Communication Standard 29 CFR 1910.1200 and OSHA FORM 174.

**MANUFACTURER'S NAME**  
AMREP, INC.

**ADDRESS**  
990 Industrial Park Drive  
Marietta, Georgia 30062

**Phone Number (For Information)**  
(404) 386-3083

**Emergency Phone Number**  
(404) 306-3083

**DOT HAZARD CLASSIFICATION:** ORM-D

**Identify (Trade Name As Used On Label)**  
MISIJ ICE MELT

**MSDS Number:** 793-6

**CHEM TREC:** 1-800-424-9300

**Date Prepared:** 12/5/89

**Prepared By:** IMJ/STN

**NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA**

## SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

| COMPONENTS - Chemical Name & Common Name (Hazardous Component 1% or greater Carcinogens 0.1% or greater) | CAS Number | APPROX. % (wt)* | OSHA PEL (ppm) | ACGIH TLV (ppm) | CARCINOGEN REFERENCE SOURCE** |
|--|------------|-----------------|----------------|-----------------|-------------------------------|
| Ethanol  | 64-17-5    | >>              | 1000           | 1000            | d                             |
| Methanol   | 67-56-1    | 2               | 200            | 200             | d                             |
| Nitrogen   | 7727-37-9  | <1              | 1000           | 1000            | d                             |
| Ethylene glycol  | 107-21-1   | 35              | 50             | 50              | u                             |

NOTICE: THIS PRODUCT MAY CONTAIN ONE OF THE LISTED SUBS LISTED IN SECTION 113 CHEMICALS.

- 67-64-1 Acetone
- 50-05-0 Formaldehyde
- 67-54-1 Methanol
- 91-45-7 n-Butane
- 74-25-1 Zinc
- 77-82-9 Dichlorobenzene
- 78-27-2 n-Propyl alcohol
- 92-52-4 Ethyl acetate
- 33-59-6 1,1,2-Trichloroethane
- 75-07-7 Methylene chloride
- 107-21-1 Ethylene glycol\*
- 114-20-1 Propane
- 108-98-3 Toluene
- 127-08-4 Isopropyl alcohol
- 135-13-9 Nitrodimethylamine
- 1344-43-7 Silicon Dioxide
- 7664-19-2 Phosphoric acid
- 7761-88-0 Silver nitrate
- 7664-93-9 Sulfuric acid
- 7803-61-6 Zinc (dust)
- 7632-101-3 Thymochloric acid
- 1330-78-3 N,N-Dimethylacetamide
- 75-17-1 Form 1F

## SECTION 2 - PHYSICAL / CHEMICAL CHARACTERISTICS

|  |           |   |      |
|--|-----------|---|------|
| <b>Boiling Point</b>                                   | NA        | <b>Specific Gravity (H<sub>2</sub>O = 1) Concentrate Only *</b> | 0.88 |
| <b>Vapor Pressure</b> PSIG @ 70°F (Aerosols)           | 110 - 130 | <b>Vapor Pressure (Non-Aerosols) (mm Hg and Temperature)</b>    | NA   |
| <b>Vapor Density (Air = 1)</b>                         | NL        | <b>Evaporation Rate</b>   | NE   |
| <b>Solubility in Water</b>                             | Soluble   | <b>Water Reactive</b>   | No   |
| <b>Appearance and Odor</b> Clear liquid, alcohol odor. |           |   |      |

## SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

|  |                                     |   |     |    |     |    |
|--|-------------------------------------|---|-----|----|-----|----|
| <b>FLAMMABILITY as per USA FLAME PROJECTION TEST (AEROSOLS)</b> FLAMMABLE  | <b>Auto-ignition Temperature</b> NF | <b>Flammability Limits in Air % by Volume</b> | LEL | NE | UFL | NE |
| <b>Flash Point and Method Used (Non-Aerosols)</b> NA                       |                                     |   |     |    |     |    |
| <b>Extinguisher Media</b> Foam, dry chemical, carbon dioxide, water        |                                     |   |     |    |     |    |
| <b>Special Fire Fighting Procedures</b> Self contained breathing apparatus |                                     |   |     |    |     |    |

**Unusual Fire and Explosion Hazards:** Do not expose aerosols to temperatures above 130°F or the container may rupture.