

# 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	
<b>NFPA Rating:</b> Health-2; Flammability-3; Reactivity-0; Special-- <b>Manufacturer's Name:</b> AMREP, INC. <b>Address:</b> 990 Industrial Park Drive Marietta, GA 30062	<b>HMIS Rating:</b> Health-2; Flammability-3; Reactivity-0; Personal Protection-A <b>DOT Hazard Classification:</b> ORM-D <b>Identity</b> (trade name as used on label): <b style="text-align: center;">MISTY INSECT REPELLENT II</b>
<b>Date Prepared:</b> 03/30/04 <b>Prepared By:</b> IB <b>Information Calls:</b> (770) 422-2071 <b>EMERGENCY RESPONSE NUMBER:</b> 1(800) 255-3924	<b>MSDS Number:</b> A00482 <b>Revision:</b> 8 <b>NOTICE:</b> JUDGEMENT 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 **
<b>ISOBUTANE / PROPANE BLEND</b>	75-28-5	No	800	800	d
	74-98-6	No	1000	1000	d
<b>ISOPROPANOL</b>	67-63-0	No	400	400	d
<b>ACETONE</b>	67-64-1	No	1000	750	d
<b>Insecticide Concentrate Including:</b>					
<b>DEET</b>	134-62-3	No	N/E	N/E	d
<b>DI-N-PROPYL ISOCINCHOMERONATE</b>	136-45-8	No	N/E	N/E	d
<b>N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE</b>	113-48-4	No	N/E	N/E	d

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS	
<b>Boiling Point:</b> N/A	<b>Specific Gravity (H2O=1):</b> Concentrate Only = .860
<b>Vapor Pressure:</b> PSIG @ 70°F (Aerosols): Max. 60	<b>Vapor Pressure (Non-Aerosols)(mm Hg and Temperature):</b> N/A
<b>Vapor Density (Air = 1):</b> N/E	<b>Evaporation Rate ( = 1):</b> N/E
<b>Solubility in Water:</b> Partial	<b>Water Reactive:</b> No
<b>Appearance and Odor:</b> Clear spray with ethereal odor.	

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA		
<b>FLAMMABILITY</b> as per USA FLAME PROJECTION TEST (aerosols) <b>FLAMMABLE</b>	<b>Auto Ignition Temperature</b> N/E	<b>Flammability Limits in Air by % in Volume:</b> % LEL: N/E      % UEL: N/E
<b>FLASH POINT AND METHOD USED</b> (non-aerosols): N/A		<b>EXTINGUISHER MEDIA:</b> Foam, dry chemical, carbon dioxide, water spray or fog.
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> Self-contained breathing apparatus.		
<b>Unusual Fire &amp; Explosion Hazards:</b> Do not expose aerosols to temperatures above 130°F or the container may rupture.		

SECTION 4 - REACTIVITY HAZARD DATA	
<b>STABILITY</b> [ X ] STABLE [ ] UNSTABLE	<b>HAZARDOUS POLYMERIZATION</b> [ ] WILL [ X ] WILL NOT OCCUR
<b>Incompatibility</b> (Mat. to avoid): Strong oxidants, anhydride & isocyanate, plastics, acetate & rayon.	<b>Conditions to Avoid:</b> Open flame, welding arcs, heat, sparks.
<b>Hazardous Decomposition Products:</b> Carbon monoxide, carbon dioxide.	

SECTION 5 - HEALTH HAZARD DATA
<b>PRIMARY ROUTES OF ENTRY:</b> [ X ] INHALATION [ ] INGESTION [ X ] SKIN ABSORPTION [ ] EYE [ ] NOT HAZARDOUS
<b>ACUTE EFFECTS:</b>
<b>Inhalation:</b> Excessive inhalation of vapors can be harmful and may cause headache, dizziness, asphyxia, anesthetic effects and possible unconsciousness.
<b>Eye Contact:</b> Mild irritation. (Avoid eye contact).
<b>Skin Contact:</b> May aggravate existing skin conditions.
<b>Ingestion:</b> Possible chemical pneumonitis if aspirated into lungs. Nausea.
<b>CHRONIC EFFECTS:</b> (Effects due to excessive exposure to the raw materials of this mixture) May cause kidney or liver damage (lab animal data).
<b>Medical Conditions Generally Aggravated by Exposure:</b> May aggravate existing eye, skin, or upper respiratory conditions.
<b>Note:</b> MUST follow label instructions closely if used on children.

EMERGENCY FIRST AID PROCEDURES
<b>Eye Contact:</b> Flush with water for 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
<b>Skin Contact:</b> Wash with soap and water. If irritated, seek medical attention.
<b>Inhalation:</b> Remove to fresh air. Resuscitate if necessary. Get medical attention.
<b>Ingestion:</b> DO NOT INDUCE VOMITING. Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

SECTION 6 - CONTROL AND PROTECTIVE MEASURES
<b>Respiratory Protection (specify type):</b> None, if vapor concentration kept below TLV.
<b>Protective Gloves:</b> None
<b>Eye Protection:</b> Safety glasses recommended. Do not spray into eyes.
<b>Ventilation Requirements:</b> Local exhaust to keep vapors dispersed.
<b>Other Protective Clothing &amp; Equipment:</b> None
<b>Hygienic Work Practices:</b> Wash with soap and water before handling food. Remove contaminated clothing.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE
<b>Steps To Be Taken If Material Is Spilled Or Released:</b> Absorb with suitable medium. Incinerate or landfill according to local, state or federal regulations. DO NOT FLUSH TO SEWER.
<b>Waste Disposal Methods:</b> Aerosol cans when vented to atmospheric pressure through normal use, pose no disposal hazard.
<b>Precautions To Be Taken In Handling &amp; Storage:</b> Do not puncture or incinerate containers. Do not store at temperatures above 130°F.
<b>Other Precautions &amp;/or Special Hazards:</b> KEEP OUT OF REACH OF CHILDREN. Avoid food contamination. Avoid breathing vapors. Remove ignition sources. Avoid contact with plastic such as eyeglass frames and such fabrics as acetate and rayon.

*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