

# 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-1; Flammability-0; Reactivity-0; Special- -			<b>HMIS Rating:</b> Health-1; Flammability-0; Reactivity-0; Personal Protection-B			
Manufacturer's Name: <b>AMREP, INC.</b> Address: 990 Industrial Park Drive Marietta, GA 30062			DOT Hazard Classification: Non-Hazardous Identity (trade name as used on label): <b>MISTY HEAVY DUTY GLASS &amp; MIRROR CLEANER RTU</b>			
Date Prepared: 04/22/97		Prepared By: DL/LF/IB		MSDS Number: R 124 Revision - 3		
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 **
ETHYLENE GLYCOL MONOBUTYL ETHER		111-76-2	Yes	25(skin)	25(skin)	d
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS						
<b>Boiling Point:</b> Est. 212°F			<b>Specific Gravity</b> (H2O=1): 0.993			
<b>Vapor Pressure:</b> PSIG @ 70°F (Aerosols): N/A			<b>Vapor Pressure</b> (Non-Aerosols)(mm Hg and Temperature): N/D			
<b>Vapor Density</b> (Air = 1): N/D			<b>Evaporation Rate</b> (water = 1): Not known			
<b>Solubility in Water:</b> Miscible			<b>Water Reactive:</b> No			
<b>Appearance and Odor:</b> Clear, blue liquid with lemon odor with a slight hint glycol ether.						
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA						
<b>FLAMMABILITY</b> as per USA FLAME PROJECTION TEST (aerosols) N/A		<b>Auto Ignition Temperature</b> None		<b>Flammability Limits in Air</b> by % in Volume: % LEL: N/A % UEL: N/A		
<b>FLASH POINT AND METHOD USED</b> (non-aerosols): none to boiling (TCC)			<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> Use procedures applicable to surrounding fire.			
<b>EXTINGUISHER MEDIA:</b> Use media compatible with surrounding fire.						
<b>Unusual Fire &amp; Explosion Hazards:</b> None known.						
SECTION 4 - REACTIVITY HAZARD DATA						
<b>STABILITY</b> <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE			<b>HAZARDOUS POLYMERIZATION</b> <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT OCCUR			
<b>Incompatibility</b> (Mat. to avoid): Strong oxidizing agents, anything reactive to water.			<b>Conditions to Avoid:</b> None.			
<b>Hazardous Decomposition Products:</b> Oxides of carbon, unidentified organic compounds.						
SECTION 5 - HEALTH HAZARD DATA						
<b>PRIMARY ROUTES OF ENTRY:</b> <input checked="" type="checkbox"/> INHALATION <input checked="" type="checkbox"/> INGESTION <input type="checkbox"/> SKIN ABSORPTION <input type="checkbox"/> EYE <input type="checkbox"/> NOT HAZARDOUS						
<b>ACUTE EFFECTS:</b> SYSTEMIC OVEREXPOSURE: Headache, dizziness, nausea, incoordination, drowsiness & loss of consciousness.						
<b>Inhalation:</b> Extremely high concentrations of vapor, mist or liquid contact can irritate respiratory tract & may cause bronco-pneumonia or pulmonary edema.						
<b>Eye Contact:</b> Liquid or vapor contact can cause irritation.			<b>Skin Contact:</b> Prolonged or repeated contact can cause dryness & irritation.			
<b>Ingestion:</b> May cause nausea, vomiting & abdominal pain. If vomiting occurs, aspiration of vomitus into lungs can cause bronco-pneumonia or pulmonary edema.						
<b>CHRONIC EFFECTS:</b> None known.						
<b>Medical Conditions Generally Aggravated by Exposure:</b> May add to pre-existing irritation.						
EMERGENCY FIRST AID PROCEDURES						
<b>Eye Contact:</b> Flush with water for 15 minutes holding lids open. Get medical attention.						
<b>Skin Contact:</b> Remove contaminated clothing. Wash with soap and water. If persistent irritation occurs, get medical attention.						
<b>Inhalation:</b> Remove to fresh air and provide oxygen or artificial respiration if needed. Get medical attention.						
<b>Ingestion:</b> DO NOT INDUCE VOMITING. Drink 3 to 4 glasses of water. Get immediate medical attention.						
SECTION 6 - CONTROL AND PROTECTIVE MEASURES						
<b>Respiratory Protection (specify type):</b> None generally needed under normal handling and use conditions.						
<b>Protective Gloves:</b> Rubber or PVC.			<b>Eye Protection:</b> Safety glasses or chemical goggles.			
<b>Ventilation Requirements:</b> Not generally needed under normal handling and use conditions. If needed, use explosion-proof ventilation.						
<b>Other Protective Clothing &amp; Equipment:</b> Clothing as needed to prevent skin contact. Eyewash station and safety shower.						
<b>Hygienic Work Practices:</b> Do not eat, drink or smoke in work area. Wash hands after handling.						
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE						
<b>Steps To Be Taken If Material Is Spilled Or Released:</b> Eliminate all ignition sources. Handling equipment must be grounded to prevent sparking. Contain spill. Soak up in an inert absorbent & place in leak-proof containers. Seal containers & label properly for legal disposal.						
<b>Waste Disposal Methods:</b> Dispose of in accordance with all local, state and federal regulations.						
<b>Precautions To Be Taken In Handling &amp; Storage:</b> Store in original shipping containers. Keep closed when not in use. Protect from extreme heat and cold. Shelf life 1 year.						
<b>Other Precautions &amp;/or Special Hazards:</b> KEEP OUT OF REACH OF CHILDREN. Do not cut, drill or weld on or near full, part full or empty drums.						

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