



# 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-1; Reactivity-0; Special--			<b>HMIS Rating:</b> Health-1; Flammability-1; Reactivity-0; Personal Protection-B			
<b>Manufacturer's Name:</b> AMREP, INC. Address: 990 Industrial Park Drive Address: Marietta, Ga. 30062			<b>DOT Hazard Classification:</b> ORM-D <b>Identity</b> (trade name as used on label): <b>I-CHEM GLASS CLEANER # ICA123</b>			
Phone: 770-422-2071			<b>MSDS Number:</b> A00123      Revision- 8			
Emergency Response Number: 1-800-255-3924			Date Prepared: 01/02/02      Prepared By: ES/IB			
<b>NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA</b>			Information Calls: (770)422-2071			
SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION						
<b>COMPONENTS-CHEMICAL NAMES AND COMMON NAMES</b> (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>2-BUTOXYETHANOL*</b>		111-76-2	Yes	50	25	d
<b>ETHANOL</b>		64-17-5	No	1000	1000	d
<b>ISOBUTANE / PROPANE BLEND</b>		75-28-5	No	800	800	d
		74-98-6	No	1000	1000	d
<b>*Glycol ether</b>						
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS						
<b>Boiling Point:</b> N/A			<b>Specific Gravity</b> (H <sub>2</sub> O=1): Concentrate Only =0.985			
<b>Vapor Pressure:</b> PSIG @ 70°F (Aerosols): Max.70			<b>Vapor Pressure</b> (Non-Aerosols)(mm Hg and Temperature): N/A			
<b>Vapor Density</b> (Air = 1): N/E			<b>Evaporation Rate</b> ( = 1): N/E			
<b>Solubility in Water:</b> Soluble			<b>Water Reactive:</b> No			
<b>Appearance and Odor:</b> White foam, sassafras fragrance.						
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA						
<b>FLAMMABILITY</b> as per USA FLAME PROJECTION TEST (aerosols) <b>NON-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.				
<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 oxidizers.			<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 & may cause headache, dizziness, asphyxia, anesthetic effects & possible unconsciousness.						
<b>Eye Contact:</b> Slight irritation.			<b>Skin Contact:</b> Slight irritation.			
<b>Ingestion:</b> Possible chemical pneumonitis if aspirated into lungs.						
<b>CHRONIC EFFECTS:</b> None known to humans. Note: some animal data indicates some reports of anemia, liver, kidney, lung, blood damage when excessively exposed to 2-butoxyethanol.						
<b>Medical Conditions Generally Aggravated by Exposure:</b> May aggravate existing eye, skin, or upper respiratory conditions.						
EMERGENCY FIRST AID PROCEDURES						
<b>Eye Contact:</b> Flush with water for 15 minutes. If irritated, seek medical attention.						
<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: DO NOT INDUCE VOMITING.</b> Drink two large glasses of water. Get immediate medical attention.						
SECTION 6 - CONTROL AND PROTECTIVE MEASURES						
<b>Respiratory Protection (specify type):</b> If vapor concentration exceeds TLV, use respirator approved by NIOSH / MSHA for organic vapors.						
<b>Protective Gloves:</b> Disposable latex gloves suggested.			<b>Eye Protection:</b> Safety glasses recommended.			
<b>Ventilation Requirements:</b> Adequate ventilation to keep vapor concentration below TLV.						
<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> Flush to sewer with water.						
<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> <b>KEEP OUT OF REACH OF CHILDREN.</b> Avoid food contamination. Avoid breathing vapors.						

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