

# 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-3; Flammability-0; Reactivity-1; Special- COR			<b>HMIS Rating:</b> Health-3; Flammability-0; Reactivity-1; Personal Protection-B			
<b>DOT Hazard Classification:</b> Corrosive liquid, Acid, NOS 8						
<b>FDA:</b> This product is approved under the following FDA (21 CFR) sections: Unknown.						
Manufacturer's Name: <b>AmSolv Manufacturing Company.</b> Address: 1803 Howard Road Waxahachie, TX 75165			Identity (trade name as used on label): <b>AmSolv® 8900</b>			
Date Prepared: 2005-04-17		Prepared By: STH		MSDS Number: WH8900 Revision - 0		
Information Calls: 1 (972) 938-1401 EMERGENCY RESPONSE NUMBER: 1 (972) 938-1410 (International)			<b>NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA</b>			
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 **
2-BUTOXYETHANOL*		111-76-2	Yes	50	25	d
PHOSPHORIC ACID		7664-38-2	No	1mg/m3	1mg/m3	d
AMMONIUM BIFLUORIDE (EXP. LIMITS FOR FLUORIDE AS DUST)		1341-49-7	No	N/E	N/E	d
*GLYCOL ETHER						
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS						
Boiling Point: 100°C		Specific Gravity (H2O=1): 1.100-1.250				
Vapor Pressure: PSIG @ 70°F (Aerosols): N/A		Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): N/D				
Vapor Density (Air = 1): N/D		Evaporation Rate (water = 1): 1				
Solubility in Water: Miscible		Water Reactive: No				
Appearance and Odor: Clear to slightly hazy non-viscous liquid with characteristic odor.						
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA						
FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols) N/A		Auto Ignition Temperature N/A		Flammability Limits in Air by % in Volume: % LEL: N/A % UEL: N/A		
FLASH POINT AND METHOD USED (non-aerosols): Non-combustible			EXTINGUISHER MEDIA: Non-combustible. Use media appropriate to surrounding fire.			
SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus.						
Unusual Fire & Explosion Hazards: Reaction with metals may release flammable hydrogen gas. Heat may release corrosive hydrogen fluoride gas or mist.						
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): Bases, metals, glasses, carbides, acetylides, phosphides, silicides.			Conditions to Avoid: Contact with strong bases can cause violent reaction generating large amounts of heat.			
Hazardous Decomposition Products: Hydrogen fluoride gas, oxides of phosphorus, nitrogen & carbon, unidentified organics.						
SECTION 5 - HEALTH HAZARD DATA						
PRIMARY ROUTES OF ENTRY: <input type="checkbox"/> INHALATION <input type="checkbox"/> INGESTION <input checked="" type="checkbox"/> SKIN ABSORPTION <input checked="" type="checkbox"/> EYE <input type="checkbox"/> NOT HAZARDOUS						
ACUTE EFFECTS: Corrosive to eyes, skin, mucous membranes.						
Inhalation: May cause severe irritation to upper respiratory tract. Not likely to be a problem under normal conditions of handling and use.						
Eye Contact: May cause burns.			Skin Contact: May cause severe irritation & fluoride burns, which may not be immediately evident.			
Ingestion: May cause systemic toxic effects as well as tissue damage to GI tract.						
CHRONIC EFFECTS: Gastric, intestinal, circulatory, respiratory, nervous complaints, skin rashes.						
Medical Conditions Generally Aggravated by Exposure: Asthma and conditions affecting above systems and others.						
EMERGENCY FIRST AID PROCEDURES						
Eye Contact: Flush (including under lids) with water for 30 minutes. Get medical attention.						
Skin Contact: Wash with cold water for at least 15 minutes. Use alkaline soap. Contacted areas should be soaked in an iced 0.2% solution of Hyamine 1622, or iced 70% alcohol. Seek immediate medical attention.						
Inhalation: Remove to fresh air. If breathing is difficult, give oxygen. Get medical attention.						
Ingestion: DO NOT INDUCE VOMITING. Drink large quantity of water. Get immediate medical attention.						
SECTION 6 - CONTROL AND PROTECTIVE MEASURES						
Respiratory Protection (specify type): Not generally needed under normal conditions of handling and use.						
Protective Gloves: Neoprene or PVC.			Eye Protection: Chemical goggles.			
Ventilation Requirements: Special ventilation is not generally needed under normal conditions of handling & use.						
Other Protective Clothing & Equipment: Eyewash stations & safety showers.						
Hygienic Work Practices: Avoid contact with skin and avoid breathing vapors.						
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE						
Steps To Be Taken If Material Is Spilled Or Released: Contain spill. Do not contaminate sewers, ground or surface waters. Neutralize with soda ash or lime. Soak up in inert absorbent. Place in sealed, leak-proof, properly labeled 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 container. Keep container sealed when not in use. Shelf life one year. Protect from extreme heat or cold.						
Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. Read and 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