

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						
NFPA Rating: Health-1; Flammability-0; Reactivity-0; Special-			HMIS Rating: Health-1; Flammability-0; Reactivity-0; Personal Protection-B			
DOT Hazard Classification: Corrosive Liquid, N.O.S., 8						
FDA: This product is approved under the following FDA (21 CFR) sections: Unknown.						
Manufacturer's Name: AmSolv Manufacturing Company. Address: 1803 Howard Road Waxahachie, TX 75165			Identity (trade name as used on label): <p style="text-align: center;">AmSolv 9900</p>			
Date Prepared: 2005-07-05		Prepared By: STH		MSDS Number: WC9900 Revision - 1		
Information Calls: 1 (972) 938-1401 EMERGENCY RESPONSE NUMBER: 1 (972) 938-1410 (International)			NOTICE: JUDGMENT 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 **
CITRIC ACID		77-92-9	No	N/E	N/E	d
AMMONIA		7664-41-7	No	35	25	d
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS						
Boiling Point: 100°C			Specific Gravity (H ₂ O=1): 1.12			
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): 1.0			
Solubility in Water: Soluble			Water Reactive: No			
Appearance and Odor: Clear to straw colored liquid with little to no 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: Any media appropriate for surrounding fire			
SPECIAL FIRE FIGHTING PROCEDURES: Self contained breathing apparatus and turnout gear.						
Unusual Fire & Explosion Hazards: Reaction of bare metal & this fluid could generate explosive hydrogen gas.						
SECTION 4 - REACTIVITY HAZARD DATA						
STABILITY [X] STABLE [] UNSTABLE			HAZARDOUS POLYMERIZATION [] WILL [X] WILL NOT OCCUR			
Incompatibility (Mat. to avoid): Avoid contact with reactive metals.			Conditions to Avoid: None known			
Hazardous Decomposition Products: : Oxides of carbon, CO, oxides of nitrogen, NO						
SECTION 5 - HEALTH HAZARD DATA						
PRIMARY ROUTES OF ENTRY: [X] INHALATION [X] INGESTION [] SKIN ABSORPTION [] EYE [] NOT HAZARDOUS						
ACUTE EFFECTS: May irritate skin or eye tissue.						
Inhalation: May result in mild respiratory irritation.						
Eye Contact: May result in irritation.			Skin Contact: May result in irritation			
Ingestion: Will irritate throat and esophagus						
CHRONIC EFFECTS: Tissue damage depending on location and degree of exposure						
Medical Conditions Generally Aggravated by Exposure: None identified.						
EMERGENCY FIRST AID PROCEDURES						
Eye Contact: Flush with running water for 15 minutes. Get medical attention.						
Skin Contact: Wash affected areas with soap and water for 15 minutes.						
Inhalation: Remove to fresh air..						
Ingestion: DO NOT INDUCE VOMITING. Drink large quantity of water. Give milk of magnesia. Get immediate medical attention.						
SECTION 6 - CONTROL AND PROTECTIVE MEASURES						
Respiratory Protection (specify type): None required.						
Protective Gloves: Rubber or chemical resistant.			Eye Protection: Chemical goggles or face shield.			
Ventilation Requirements: Local exhaust should be adequate to maintain exposure below TLV.						
Other Protective Clothing & Equipment: Rubber boots and apron.. Eyewash station and safety shower.						
Hygienic Work Practices: Do not eat, drink or smoke in work area. Wash hands after handling.						
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE						
Steps To Be Taken If Material Is Spilled Or Released: Neutralize & absorb on suitable material. Place in suitable containers for disposal.						
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.						
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