

# 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-0; Reactivity-0; Special- - <b>Manufacturer's Name:</b> AMSOLV HOLDING CO <b>Address:</b> 100 WEST STERRETT ROAD Waxahachie, TX 75165			<b>HMIS Rating:</b> Health-2; Flammability-0; Reactivity-0; Personal Protection-B <b>DOT Hazard Classification:</b> CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S., 8, UN3264, III (CONTAINS POLYALUMINUM CHLORIDE SOLUTION) <b>Identity</b> (trade name as used on label): <b>AmSolv AmFloc 0400</b>			
<b>Date Prepared:</b> 06-30-09 <b>Prepared By:</b> KM		<b>MSDS Number:</b> WW0400 <b>Revision -</b> 1				
<b>Information Calls:</b> (972) 938-1401 <b>EMERGENCY RESPONSE NUMBER:</b> 1(800) 424-9300			<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 **
POLYALUMINUM CHLORIDE		1327-41-9	No	5 gm/m3 TWA As Aluminum	2mg/m3 TWA As Aluminum	d
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS						
<b>Boiling Point:</b> 220 <sup>o</sup> F			<b>Specific Gravity</b> (H2O=1): 1.185 – 1.195			
<b>Vapor Pressure:</b> PSIG @ 70°F (Aerosols): ND			<b>pH @ 25 C:</b> 0.50 – 4.40			
<b>Vapor Density</b> (Air = 1): N/D			<b>Evaporation Rate</b> (water = 1): 1.0			
<b>Solubility in Water:</b> completely			<b>Water Reactive:</b> No			
<b>Appearance and Odor:</b> Clear to hazy white, bodied liquid with no odor.						
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA						
<b>FLAMMABILITY</b> as per USA FLAME PROJECTION TEST (aerosols) N/A		<b>Auto Ignition Temperature</b> N/A		<b>Flammability Limits in Air by % in Volume:</b> % LEL: N/A      % UEL: N/A		
<b>FLASH POINT AND METHOD USED</b> (non-aerosols): none to boiling)			<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> Do not enter fire area without full protective gear including self-contained breathing apparatus. Use water to cool fire-exposed containers.			
<b>EXTINGUISHER MEDIA:</b> Any media appropriate for burning materials.						
<b>Unusual Fire &amp; Explosion Hazards:</b> Oxides of sulfur, of which the trioxide is a fire hazard. Loss of these gases leaves a caustic residue.						
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): Alkalis & water reactive materials.			<b>Conditions to Avoid:</b> None known.			
<b>Hazardous Decomposition Products:</b> Oxides of sulfur which are toxic, oxidizers & corrosives. Trioxide is a fire hazard. Loss of these gases leaves a caustic residue.						
SECTION 5 - HEALTH HAZARD DATA						
<b>PRIMARY ROUTES OF ENTRY:</b> [ ] INHALATION [ X ] INGESTION [ ] SKIN ABSORPTION [ X ] EYE [ ] NOT HAZARDOUS						
ACUTE EFFECTS						
<b>Inhalation:</b> Mist inhalation at levels above the TLV may irritate the respiratory tract.						
<b>Eye Contact:</b> May cause irritation, redness and swelling of eyes.			<b>Skin Contact:</b> May cause skin irritation, with repeated or prolonged contact.			
<b>Ingestion:</b> May irritate GI tract and cause nausea, vomiting, purging or possibly obstruction.						
CHRONIC EFFECTS: None known.						
<b>Medical Conditions Generally Aggravated by Exposure:</b> May further irritate pre-existing dermatitis.						
EMERGENCY FIRST AID PROCEDURES						
<b>Eye Contact:</b> Flush with water for 15 minutes. If irritation persists, get medical attention.						
<b>Skin Contact:</b> Remove contaminated clothing. Wash with plenty of soap and water. If irritation persists, get medical attention.						
<b>Inhalation:</b> Remove from source of mist. Get medical attention.						
<b>Ingestion:</b> DO NOT INDUCE VOMITING. Drink 3 to 4 glasses of water. Get immediate medical attention for removal by gastric lavage.						
SECTION 6 - CONTROL AND PROTECTIVE MEASURES						
<b>Respiratory Protection (specify type):</b> None needed under normal conditions of handling and use.						
<b>Protective Gloves:</b> Rubber			<b>Eye Protection:</b> Chemical goggles.			
<b>Ventilation Requirements:</b> None needed under normal conditions of handling and use.						
<b>Other Protective Clothing &amp; Equipment:</b> Eyewash station and safety shower. Clothing as needed to minimize contact.						
<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> Salvage as much as possible. Neutralize residue with soda ash and absorb on an inert solid absorbent. Seal in properly labeled leak-proof containers for proper 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. Shelf life 1 year. Protect from extreme heat and cold.						
<b>Other Precautions &amp;/or Special Hazards:</b> KEEP OUT OF REACH OF CHILDREN. Read & 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