BICLSY

HC#18

HealthLink
A Family of Medical Products

MSDS

Aluminum Chloride Solutions

Section 1: Identification

Product Name: Aluminum Chloride Solutions
Product Catalog No. 400455, 400456, 400459, 400463, 400464, 400465, 400472, 400474

Emergency Phone at Infotrac: (800) 535-5053
Date Prepared: 1/7/03

Section 2: Composition

Hazardous Component(s):		CAS Number	OSHA PEL, ACGIH TLV/STEL (PPM)	NFPA	
Aluminum Chloride	20 to 50%*	7784-13-6	NA	Health	1
				Flammability	0
				Reactivity	0

Section 3: Physical Data

Boiling Point:	~212°F	*Specific Gravity (H_20 = 1):*	~1.1
Vapor Pressure mm Hg/20°C:	NA	*Percent Volatile by Vol:*	10%
Vapor Density (Air 1:1)	NA	*Evaporation Rate (ether = 1):*	>1
Solubility in H20:	Complete	*Appearance & Odor:*	Clear liquid, odorless

Section 4: Fire and Explosion Hazard

Flash Point: 62°F *Flammable Limits:* LEL, NA UEL, NA

Extinguishing Media: Water spray, dry chemical, CO_2 and foam for alcohol

Special Firefighting Procedures: Wear protective clothing with NIOSH approved breathing apparatus. Products of combustion may be harmful in a fire situation. Do not use direct water stream

Unusual Fire & Explosion Hazards: Eliminate sources of ignition. Will emit toxic fumes under fire conditions.

Section 5: Reactivity

Stability: Stable *Material to Avoid:* Strong oxidizers, chromic anhydride, acids, etc.

Hazardous Decomposition or Byproducts: Hydrogen chloride

Hazardous Polymerization: Does not occur *Conditions to Avoid:* Excessive heat

Section 6: Health Hazards

Routes of Entry: Inhalation, skin and ingestion

Acute: Vapors may cause eye, skin and respiratory irritation.

Chronic: Repeated exposure may cause general deterioration of health by accumulation.

Carcinogenicity: Not classified as a human carcinogen.

Signs/Symptoms of Exposure: Irritation of skin and eyes.

For Technical Service Call 800-638-2625

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Section 6: Health Hazards cont'd
Emergency First Aid:

Skin: Remove contaminated clothing and wash affected area with soap and water.

Eyes: Thoroughly flush eyes with water. Contact a physician if irritation persists.

Ingestion: Rinse mouth thoroughly with water provided person is conscious. Contact a physician.

Inhalation: Remove person to fresh air. If not breathing, give artificial respiration and contact a physician.

Section 7: Safe Handling

Chemical Release or Spill: Isolate the spill area with sand or other absorbent material. Place all contaminated material in closed container for proper disposal.

Waste Disposal Method: All liquid and/or contaminated material should be disposed of in DOT approved waste containers. Incineration for liquids is the suggested method of disposal. Comply with all Federal, State and Local regulations for disposal.

Precautions for Handling and Storage: Normal Handling and storage for liquids. Avoid excessive heat.

Section 8: Control Measures

Respiratory Protection: Not normally required. If used in a poorly ventilated area, use under an approved fume hood or NIOSH approved respirator.

Ventilation: Mechanical exhaust is sufficient.

Protective Gloves: Chemical resistant. *Eye Protection:* Safety glasses.

Other Protective Clothing or Equipment: Normal laboratory apparel suggested by Good Laboratory Practices.

Work/Hygienic Practices: Wash thoroughly with soap and water after handling.

The information listed here is believed to be correct and does not purport to be all-inclusive and shall be used only as a guide. HealthLink shall not be held liable for any damage resulting from handling or contact with this product.

HealthLink
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