

Section 1: Identification

Common Name/Trade Name	ALUMINUM CHLORIDE HEXAHYDRATE USP	
Supplier Information	Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693	IN CASE OF EMERGENCY: Chemtrec 1 (800) 424-9300 (24 hours)
Product Synonym(s)	Aluminum chloride	
Relevant Use(s) of Product	Manufacture or Compounding of Substances	

Section 2: Hazards Identification

Classification of Substance or Mixture	Skin irritation (Category 2), Eye irritation (Category 2A), Specific target organ toxicity - single exposure (Category 3), Respiratory system, Acute aquatic toxicity (Category 3), Chronic aquatic toxicity (Category 3)	
Signal Word	Warning	
Hazard Statement(s)	H315 H319	Causes skin irritation Causes serious eye irritation
Pictogram(s)		
Precautionary Statement(s)	P261 P264 P270 P280 P302+P352 P304+P340 P305+P351+P338 P312 P332+P313 P337+P313 P362 P501	Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. IF ON SKIN Wash with soap and water. IF INHALED Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. continue rinsing. Call a POISON CENTER or doctor/physician if you feel unwell. If skin irritation occurs Get medical advice/attention. If eye irritation persists Get medical advice/attention. Take off contaminated clothing and wash before reuse. Dispose of contents/container to an approved waste disposal plant.
Hazards Not Otherwise Classified	No data available	
Ingredient(s) with Unknown Toxicity	No data Available	

Section 3: Composition/Information on Ingredients

Chemical Name	Aluminum chloride hexahydrate
Common Name	Aluminum chloride hexahydrate
CAS Number	7784-13-6
Impurities and/or Stabilizing Additives	No data available

Section 4: First Aid Measures

General Advice	Take off all contaminated clothing immediately.
If Inhaled	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Use oxygen as required, provided a qualified operator is present. Call a physician.
In Case of Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing and shoes immediately. Wash contaminated clothing before re-use. Call a physician if irritation develops or persists.
In Case of Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician if irritation develops or persists.
If Swallowed	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Call a physician..
Most Important Symptoms and Effects	Not available

Section 5: Fire Fighting Measures

Suitable Extinguishing Media	Water spray Foam Carbon dioxide (CO2) Dry powder
Special Hazards Arising From the Substance/Mixture	In case of fire hazardous decomposition products may be produced such as: Aluminum oxides Gaseous hydrogen chloride (HCl).
Special PPE and/or Precautions for Firefighters	Wear self-contained breathing apparatus and protective suit.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	Wear personal protective equipment. Evacuate personnel to safe areas. Ensure adequate ventilation. Avoid dust formation. Do not swallow. Avoid breathing dust. Avoid contact with skin, eyes and clothing Provide adequate ventilation. Wear personal protective equipment. Unprotected persons must be kept away. Avoid dust formation
Methods and Materials Used for Containment	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided. Do not flush into surface water or sanitary sewer system. Do not allow run-off from fire fighting to enter drains or water courses.
Cleanup Procedures	Ventilate the area. Avoid dust formation. Sweep up and shovel into suitable containers for disposal.

Section 7: Handling and Storage

Precautions for Safe Handling	Wear personal protective equipment. Keep container tightly closed. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Use only in well-ventilated areas. Avoid dust formation. Do not swallow. Avoid breathing dust. Avoid contact with skin, eyes and clothing. Normal measures for preventive fire protection.
Conditions for Safe Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition. Protect from atmospheric moisture and water. Protect from physical damage. Store away from incompatible substances.

Section 8: Exposure Controls/Personal Protection

Components with Workplace Control Parameters	Ensure that eyewash stations and safety showers are close to the workstation location. Avoid dust formation
Appropriate Engineering Controls	Use with local exhaust ventilation
PPE - Eye/Face Protection	Wear as appropriate: Safety glasses with side-shields Safety goggles Face-shield
PPE - Skin Protection	Impervious gloves Gloves must be inspected prior to use. Replace when worn.
PPE - Body Protection	Protective suit
PPE - Respiratory Protection	In case of insufficient ventilation wear suitable respiratory equipment. Use NIOSH approved respiratory protection

Section 9: Physical and Chemical Properties

Appearance	solid colorless
Upper/Lower Flammability or Explosive Limits	No data available
Odor	odorless
Vapor Pressure	no data available
Odor Threshold	No data available
Vapor Density	No data available
pH	2.5 - 3.5 at 20 °C (68 °F)
Relative Density	ca. 2.4 g/cm ³ at 20 °C
Melting Point/Freezing Point	Melting point/range: 100 °C (212 °F)
Solubility	No data available
Initial Boiling Point and Boiling Range	No data available
Flash Point	No data available
Evaporation Rate	No data available
Flammability (Solid, Gas)	No data available
Partition Coefficient	No data available
Auto-Ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available

Section 10: Stability and Reactivity

Reactivity	No data available
Chemical Stability	Stable under normal conditions
Possibility of Hazardous Reactions	Hazardous polymerisation does not occur.
Conditions to Avoid	Protect from atmospheric moisture and water.
Incompatible Materials	Water Protect from moisture. In damp air hydrochloric acid formation is possible.
Hazardous Decomposition Products	In case of fire hazardous decomposition products may be produced such as: Aluminum oxides Gaseous hydrogen chloride (HCl).

Section 11: Toxicological Information

Acute Toxicity - LD50 Oral	LD50 Oral - rat - 3,311 mg/kg
Acute Toxicity - Inhalation	No data available
Acute Toxicity - Dermal	No data available
Acute Toxicity - Eye	No data available
Skin Corrosion/Irritation	No data available
Serious Eye Damage/Irritation	No data available
Respiratory or Skin Sensitization	No data available
Germ Cell Mutagenicity	No data available
Carcinogenicity IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Carcinogenicity ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
Carcinogenicity NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
Carcinogenicity OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Reproductive Toxicity	Developmental Toxicity-mouse-Intravenous. Specific Developmental Abnormalities: Musculoskeletal system. Specific Developmental Abnormalities: Other developmental abnormalities.
Specific Target Organ Toxicity - Single Exposure	Inhalation-May cause respiratory irritation
Specific Target Organ Toxicity - Repeated Exposure	No data available
Aspiration Hazard	No data available

Section 12: Ecological Information

Toxicity	Toxicity to fish LC50 - other fish 27.1 mg/l-96 h. Toxicity to daphnia and other aquatic invertebrates EC50-Daphnia magna (Water flea)-27.3 mg/l-48 h.
Persistence and Degradability	No data available
Bio-accumulative Potential	No data available
Mobility in Soil	No data available
Other Adverse Effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life. May be harmful to aquatic organisms due to the shift of pH. Avoid release to the environment. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life with long lasting effects.

Section 13: Disposal Considerations

Waste Treatment Methods Product	No data available
Waste Treatment Methods Packaging	No data available
Special Precautions Landfill or Incinerations	No data available
Other Information	Observe all Federal, State, and Local Environmental regulations

Section 14: Transport Information

UN Number	Not dangerous goods
UN Proper Shipping Name	N/A
Transport Hazard Class(es)	N/A
Packaging Group	N/A
Environmental Hazards	N/A

Section 15: Regulatory Information

Inventories US. Toxic Substances Control Act : On TSCA Inventory Australia. Industrial Chemical (Notification and Assessment) Act : On the inventory, or in compliance with the inventory SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313. Acute Health Hazard

Section 16: Other Information

Additional Information	
Prepared By	Lisa Russell
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