



# Safety Data Sheet

Better Chemistry. Better Business

**AQUAPURE™ CAL 76**

**Revised:** 10/20/21

## 1 IDENTIFICATION

**Product Name:** AQUAPURE™ CAL 76

**Product Code :**2601226

**Recommended use of the chemical and restrictions on use:**Industrial Wastewater Treatment

**Hubbard-Hall Inc.**

563 South Leonard Street  
Waterbury, CT 06708

**Telephone:** 203-756-5521

**Fax number:** 203-756-9017

Emergency Phone Number

**CHEMTREC:** 1 (800) 424-9300

**International:** 1 (703) 527-3887

## 2 HAZARDS IDENTIFICATION



**Signal Word:** WARNING

**Hazard Category:** Skin Corrosion/Irritation Hazard Category 1C  
Eye Damage/Irritation Hazard Category 1  
Specific Target Organ Toxicity (Single Exposure) Hazard Category 3

**Hazard Statements:** Causes severe skin burns and eye damage.  
May cause respiratory irritation.

**Prevention:** Wash skin thoroughly after handling.  
Wear rubber gloves, goggles and chemical protective clothing.  
Do not breath dusts or mists.  
Use only outdoors or in well ventilated area.

**Response:** If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower .  
Specific treatment - refer to poison center or doctor for advice.  
Wash contaminated clothing before reuse.  
If inhaled: Remove person to fresh air and keep comfortable for breathing.  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Immediately call poison center or doctor and explain the type of exposure to the chemical(s) and provide the name of the chemical(s).

**Storage:** Store in well ventilated place. Keep container tightly closed.  
Store locked up.

**Disposal:** Dispose of contents/container in accordance with local, regional, national, or international regulations.

**Components with Unknown Acute Toxicity** Dermal = 75% Inhalation = 75%

### 3 COMPOSITION INFORMATION

| Chemical Name                   | Common Name And Synonyms | CAS No. and other Unique identifiers | Concentration % |
|---------------------------------|--------------------------|--------------------------------------|-----------------|
| Lanthanum Chloride Heptahydrate | -                        | 10025-84-0                           | ~3%             |
| Aluminum Chloride               | -                        | 7784-13-6                            | ~20%            |

### 4 FIRST AID

#### After Inhalation:

Remove exposed person to fresh air and support breathing as needed.

#### After Eye Contact:

Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Call a physician or poison control center immediately.

#### After Ingestion:

Never give anything by mouth to an unconscious person. If swallowed, do not induce vomiting. Give large quantities of water. If available, give several glasses of milk. If vomiting occurs spontaneously, keep airway clear. Seek medical attention.

#### Most Important Symptoms/Effects

##### Eye:

Irritation of eye, skin, and or respiratory system.

##### Chronic:

May aggravate existing skin, eye, and lung conditions. Persons with kidney disorders have an increased risk from exposure based on general information found on aluminum salts.

##### Note to Physicians:

Aluminum soluble salts may cause gastroenteritis if ingested. Treatment should include the use of demulcents. Note: Consideration should be given to the possibility that overexposure to materials other than aluminum chlorohydrate may have occurred.

### 5 FIRE FIGHTING MEASURES

|   |   |
|---|---|
| <b>Suitable and Unsuitable extinguishing media:</b>                 | In case of fire: Use water, foam, chemical extinguisher or carbon dioxide.                  |
| <b>Specific hazards arising from the chemical:</b>                  | May produce hazardous fumes or hazardous decomposition products.                            |
| <b>Special protective equipment and precautions for firefighter</b> | Wear chemical resistant protective equipment and self contained breathing apparatus (SCBA). |

### 6 ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment, & Emergency Proc** Wear chemical goggle, gloves and face shield and protective clothing.

Prevent spilled product from drains, sewers, waterways and soil.

**Methods and Materials for containment & cleaning up:** If trained according to OSHA 29 CFR 1910.120 contain the spill, clean it up and decontaminate the area.

## 7 HANDLING AND STORAGE

- Precautions for safe handling:** Use in well ventilated area.  
 Avoid breathing dust, fumes, gas, mist, vapors and sprays.  
 Wash hands thoroughly after handling.  
 Do not get in eyes, or on skin, or on clothing.
- Conditions for safe storage, inc any incompatibilities:** Store in corrosive resistant container.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

| Name                            | Std.            | TWA-8hrs | STEL - 15 min. |
|---------------------------------|-----------------|----------|----------------|
| Lanthanum Chloride Heptahydrate | not established |          |                |
| Aluminum Chloride               | ACGIH           | 2mg/m3   | -              |

ACGIH - American Control of Governmental Hygenists  
 OSHA - Occupational Safety and Health Administration

## 9 PHYSICAL AND CHEMICAL PROPERTIES

- Appearance:** Yellow Liquid
- Odor:** acrid
- Odor Threshold:** N/A
- PH:** 0.6
- Melting Point/Freezing Point:** < 10°F
- Initial Boiling Point and Boiling Range:** N/A
- Flash Point:** N/A
- Evaporation Rate:** N/A
- Flammability (solid, gas):** N/A
- Upper/Lower flammability or explosive limits:** N/A
- Vapor Pressure:** N/A
- Vapor Density:** N/A
- Relative Density:** 1.18-1.28
- Solubility (ies):** Complete in water
- Partition Coefficient; n-octanol/water:** N/A
- Auto-ignition Temperature:** N/A
- Decomposition Temperature:** N/A
- Viscosity:** N/A

## 10 STABILITY AND REACTIVITY

- Chemical Stability:** Stable
- Conditions to Avoid:** Contact with incompatible materials
- Incompatible Materials:** Avoid contact with strong oxidizers and strong bases.

**Hazardous Decomposition Products:** Acid gases

## 11 TOXICOLOGICAL INFORMATION

**Oral Administration:** Not established for this product  
**Oral Administration:** Ammonium Chloride-LD50(Rat)-1650 mg/kg  
**Inhalation:** Not established for this product  
**Dermal administration:** Not established for this product  
**Irritation:** May cause irritation to skin and eyes.  
**Delayed effects:** NA  
**Short term exposure:** Irritation to skin and or eyes.  
**Cancer Hazard:** Not listed by IARC, NTP, OSHA, ACGIH  
**Routes of Exposure** Eyes, Skin, Inhalation, Ingestion

## 12 ECOLOGICAL INFORMATION

**Persistence and Degradability:** Not Available  
**Abiotic degradability:** No data available  
**Bioaccumulation potential:** No data available  
**Water result:** Pronounced solubility and mobility

## 13 DISPOSAL CONSIDERATION

*Dispose of in accordance with local, state and federal regulations.*

## 14 TRANSPORT INFORMATION

**UN Number:** 3264  
**UN Proper Shipping Name:** CORROSIVE LIQUID,ACIDIC,INORGANIC,NOS(ALUMINUM CHLORIDE)  
**Transport Hazard Class (es):** 8  
**Packing Group:** III  
**ERG:** 154

## 15 REGULATORY INFORMATION

**HMIS: Health: 2 Flammability: 0 Reactivity: 0**

**Sara Hazard Classification** The chemicals in this product are not subject to SARA Title III , Section 313 Reporting Requirements.  
**Proposition 65** No Proposition 65 listed components in this formula  
**TSCA Inventory Status** All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements .

## 16 OTHER INFORMATION

**Disclaimer:** The information is based on our knowledge to date but does not constitute an assurance of product properties and does not imply a legal contractual relationship.  
**Date Prepared:** 12/1/17