



Safety Data Sheet

Better Chemistry. Better Business

AQUAPURE™ CAL 225

Revised: 6/4/21

1 IDENTIFICATION

Product Name: AQUAPURE™ CAL 225

Product Code :2601220

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 2

Eye Damage/Irritation Hazard Category 2B

Specific Target Organ Toxicity (Single Exposure) Hazard Category 3

Hazard Statements: Causes eye irritation.

Causes skin irritation.

May cause respiratory irritation.

Prevention: Wash skin thoroughly after handling.

Wear protective rubber gloves.

Avoid breathing dust, fumes, gas, mist, vapors and sprays.

Use only outdoors or in well ventilated area.

Response: If on skin: Wash with plenty of water.

Specific treatment - refer to poison center or doctor for advice.

If skin irritation or rash occurs, get medical advice/attention.

Take off immediately all contaminated clothing and wash it before reuse.

If in eyes: Wash cautiously with water for several minutes. Remove contact lenses if present and easy to do Continue rinsing. If eye irritation persists, get medical attention

If inhaled: Remove person to fresh air and keep comfortable for breathing. Call poison center/doctor if you feel unwell.

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 = 58% Inhalation = 68%

3 COMPOSITION INFORMATION

Chemical Name	Common Name And Synonyms	CAS No. and other Unique identifiers	Concentration %
Lanthanum Chloride Heptahydrate	-	10025-84-0	~17%

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

Suitable and Unsuitable extinguishing media:

In case of fire: Use water, foam, chemical extinguisher or carbon dioxide.

Specific hazards arising from the chemical:

May produce hazardous fumes or hazardous decomposition products.

Special protective equipment and precautions for firefighter

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		

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

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear colorless liquid
Odor:	No odor
Odor Threshold:	N/A
PH:	2.5-3.5
Melting Point/Freezing Point:	N/A
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:	1.0998
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
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 Proper Shipping Name: NOT DOT REGULATED

15 REGULATORY INFORMATION

HMIS: Health: 1 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