

DeIPAC XG



SDS No. 660
1/31/2019

Safety Data Sheet

1. IDENTIFICATION

Product Identifier

Product Name DeIPAC XG

Other means of identification

USALCO SDS # 660

Synonyms

Aluminum chloride hydroxide, Aluminum chlorohydrate

Recommended use of the chemical and restrictions on use

Common Use Water treatment chemical.

Manufacturer

USALCO, LLC
2601 Cannery Ave
Baltimore, MD 21226

Emergency Telephone Number

Company Phone Number Business 1-410-354-0100 (7:00am-5:00pm)

Fax 1-410-354-1021

Emergency Telephone (24 hr) 1-800-282-5322

2. HAZARDS IDENTIFICATION

Appearance: Clear to light grey
slightly hazy liquid.

Physical State: Liquid.

Odor: Negligible.

Signal Word

Warning



Hazard Statements

Causes skin and eye irritation.

Precautionary Statements - Prevention

Wear eye/face protection.
Wash hands and any exposed skin thoroughly after handling.
Wear protective gloves.

Precautionary Statements - Response

If on skin: Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Precautionary Statements - Storage

Store in corrosive resistant plastic or FRP container or container with corrosive resistant inner liner.

Precautionary Statements - Disposal

Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Water	7732-18-5	40-70
Aluminum Chloride Hydroxide	12042-91-0	30-60

4. FIRST-AID MEASURES**First Aid Measures**

General Advice After first aid, get appropriate in-plant, paramedic, or community medical support.

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact Wash off immediately with plenty of water. Take off contaminated clothing. Wash contaminated clothing before reuse. Get medical attention if irritation occurs.

Inhalation (mist or spray) Remove from exposure; seek medical treatment if any symptoms occur. Oxygen or artificial respiration if needed.

Ingestion Give large amounts of water to drink. If vomiting should occur spontaneously, keep airway clear. Never give anything by mouth to an unconscious person.

Most important symptoms and effects

Symptoms May cause dermatitis or irritation in some individuals upon prolonged contact.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Combustion products may be toxic.

Hazardous Combustion Products Hydrogen chloride.

Protective equipment and precautions for firefighters

Use water spray to keep fire-exposed containers cool. Do not release runoff from fire control methods to sewers or waterways.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Personal Precautions Use personal protective equipment as required.

Environmental Precautions Do not release into sewers or waterways.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up

Small Spills: If directed to an industrial sewer, wash down with large volumes of water. Spills can be neutralized and absorbed with soda ash or lime, but neutralization will release carbon dioxide, which can generate a breathing hazard. Dike far ahead of liquid spill for later disposal. Contain large spills and pump into a suitable tank for disposal. Neutralize with a lime or soda ash and flush area with large amounts of water. Adequate ventilation is required due to release of Carbon Dioxide.

7. HANDLING AND STORAGE

Precautions for safe handling**Advice on Safe Handling**

Ensure that all containers are labeled in accordance with OSHA regulations. Avoid contact with metal, as product will slowly corrode iron, brass, copper, aluminum and mild steel. Avoid contact with skin and eyes. Use personal protection recommended in Section 8.

Conditions for safe storage, including any incompatibilities

Store in a cool, dry place away from direct heat. Keep container tightly closed when not in use. Do not store in unlined metal containers. Product may slowly corrode iron, brass, copper, aluminum and mild steel.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Aluminum Chloride Hydroxide 12042-91-0	TWA: 1 mg/m ³ respirable fraction	-	-

Appropriate engineering controls**Engineering Controls**

Good general room ventilation should be adequate under normal conditions. Showers. Eyewash stations.

Individual protection measures, such as personal protective equipment**Eye/Face Protection**

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133. Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with, contact lenses.

Skin and Body Protection

Wear appropriate clothing to prevent repeated or prolonged skin contact.

Respiratory Protection

Seek professional advice prior to respirator selection and use. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. **WARNING!** Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

General Hygiene Considerations

Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment. Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Clear to light grey slightly hazy liquid
Odor	Negligible
Odor threshold	Not determined
pH	4.2±0.2
Relative density; (specific gravity)	±1.3 (1=Water) @ 4°C
Melting point/freezing point	-5.5 °C / 22 °F
Initial boiling point and boiling range	102-108 °C / 221±5 °F
Decomposition temperature	±120° C / 250° F
Viscosity	10-100 centistokes
Auto-ignition temperature	Will not burn.
Evaporation rate;	Not determined
Flammability (solid, gas)	Will not burn.
Flash point	Will not burn.
Upper/lower flammability or explosive limits	Will not burn.
Partition coefficient: n-octanol/water	Not determined.
Solubility	Complete in water.
Vapor density	Similar to water.
Vapor pressure	Similar to water.
VOC Content (%)	0.0

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Conditions to Avoid

Excessive heating after water evaporation for long periods of time can result in the evolution of HCl.

Incompatible Materials

Will react with caustics to form aluminum hydroxides. Will corrode ordinary grades of steel.

Hazardous Decomposition Products

Hydrogen chloride can be evolved during high temperature heating for extended periods of time.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact Avoid contact with eyes.

Skin Contact May be harmful in contact with skin.

Inhalation Avoid breathing vapors or mists.

Ingestion Do not taste or swallow.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Aluminum Chloride Hydroxide 12042-91-0	= 9187 mg/kg (Rat)	> 2000 mg/kg (Rat)	-

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical measures of toxicity

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Aluminum Chloride Hydroxide 12042-91-0		100 - 500: 96 h Brachydanio rerio mg/L LC50 static		

Persistence/Degradability

Not determined

Bioaccumulation

Not determined

Mobility

Not determined

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

DOT Not regulated

IATA Not regulated

IMDG Not regulated

15. REGULATORY INFORMATION

International Inventories

Not determined

US Federal Regulations**CERCLA**

Does not apply

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

SARA 313

This product does not contain any ingredients subject to the reporting requirements of SARA Title III, Section 313 (40 CFR Part 372).

CWA (Clean Water Act)

Not Listed

U.S. State Right-to-Know Regulations

Not determined

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards	Flammability	Instability	Special Hazards
	1	0	0	Not determined
<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	Personal Protection
	1	0	0	Not determined

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Revision Note

Disclaimer

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End of Safety Data Sheet