

HarChem

H₂O

Water Services

PO Box 310, Muldrow, OK 74948

SAFETY DATA SHEET HP-8350

SECTION 1: IDENTIFICATION

MANUFACTURER/DISTRIBUTOR

HarChem Water Services

P.O. Box 310

Muldrow, OK 74948

Emergency Telephone Number:

479-434-0618 24 hours everyday

918-427-0777

Chemtec 1-(800)-262-8200

RECOMMENDED USES: Water and wastewater treatment

SECTION 2: HAZARD IDENTIFICATION

<u>Ingredient (s)</u>	<u>CAS#</u>	<u>% (by weight)</u>
Aluminum Chlorhydrate	12042-91-0	50%

Pictogram Representation:



HAZARD STATEMENTS: Caution! May cause irritation to all tissues on prolonged or repeated contact.

HAZARD CLASSIFICATION:

Acute Oral Toxicity: Category III

Acute Inhalation Toxicity: Category III

Skin Irritation: Category III

Eye Irritation: Category III

SIGNAL WORD (IF APPLICABLE): IRRITANT

POTENTIAL HEALTH EFFECTS: EYES: May cause moderate eye irritation that can become severe with prolonged contact. Prolonged exposure to aluminum salts may cause conjunctivitis.

POTENTIAL HEALTH EFFECTS: SKIN: Prolonged and or repeated contact may cause skin irritation.

POTENTIAL HEALTH EFFECTS: INGESTION: May be harmful if swallowed. May cause irritation of the mouth, throat and stomach. May cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

POTENTIAL HEALTH EFFECTS: INHALATION: Inhalation of mist or vapor may irritate respiratory tract.

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

MOLECULAR FORMULA: N/A

MOLECULAR WEIGHT: N/A

GENERAL USE: Water and Waste waster treatment

SECTION 4. FIRST AID MEASURES

EYES: Immediately flush with plenty of water for at least 15 minutes, holding eyelids apart to ensure flushing of the entire surface. Washing within one minute is essential to achieve maximum effectiveness. Seek medical attention.

SKIN: Wash thoroughly with soap and water, remove contaminated clothing and footwear. Wash clothing before reuse. Get medical attention if irritation should develop.

INGESTION: Seek medical attention immediately. Give large amounts of water to drink. If vomiting should occur spontaneously, keep airway clear. Never give anything by mouth to an unconscious person.

INHALATION: Move person to fresh air.

SECTION 5: FIRE-FIGHTING MEASURES

FLASH POINT: N/A

AUTOIGNITION: N/A

EXTINGUISHING MEDIA: Water spray, carbon dioxide, foam, dry chemical.

FIRE / EXPLOSION HAZARDS: May produce hazardous fumes or hazardous decomposition products.

FIRE FIGHTING PROCEDURES: Product is a water solution and nonflammable. In a fire, this product may build up pressure and rupture a sealed container, cool exposed container with water spray. Use self-contained breathing apparatus in confined areas, avoid breathing mist or spray.

NFPA Hazard Codes:

Health :1

Fire:0

Reactivity: 0

Other: NONE

SECTION 6: ACCIDENTAL RELEASE MEASURES

Procedure for Cleaning/Absorption: Stop leaks. Clear spills immediately. Contain large spill and remove using a vacuum truck. Soak up small spills with inert absorbent material and place in a labeled waste container for disposal. Ventilate area of leak or spill. Spills of solution are extremely slippery so all residue must be removed promptly.

Personal Precautionary Measures: Wear adequate personal protective clothing and equipment.

Environmental Precautions: Do not permit run off to get into sewers or surface waterways.

SECTION 7: HANDLING AND STORAGE

Precautionary Statements : CAUTION! May cause irritation. Wear chemical splash goggles, gloves, and protective clothing when handling. Use with adequate ventilation and employ respiratory protection where mist or spray may be generated. Harmful by inhalation and if swallowed. FOR INDUSTRIAL USE ONLY.

STORAGE: Store in a cool, dry place away from direct heat. Keep in tightly closed container. Do not store in unlined metal containers. Product may slowly corrode iron, brass, copper,

aluminum, mild steel, and stainless steel.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Measures: Local exhaust ventilation as necessary to maintain exposures to within applicable limits.

PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY: When exposure exceeds the PEL or TLV, use NIOSH/MSHA approved respirator in accordance with OSHA Respiratory Protection Requirements under 29 CFR 1910.134.

PROTECTIVE CLOTHING: Chemical resistant gloves, standard work clothing and shoes, chemical goggles or face shield.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: Odorless

APPEARANCE: colorless to yellow liquid

FORM: Liquid

SOLUBILITY IN WATER: Complete

SPECIFIC GRAVITY: 1.33-1.35

pH: 3.5

FREEZING POINT: -7°C/19°F

BOILING POINT: N/A

DENSITY: 11.0-11.3lb/gal @ 25°C

% VOLATILE BY VOLUME: 40-50%

SECTION 10. STABILITY AND REACTIVITY

Incompatibility: Oxidizing agents

Stability: product is stable

Decomposition Products: Thermal decomposition may release toxic and or hazardous gases such as Cl₂ and HCl.

Hazardous Polymerization: Will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Principal Routes of Exposure: Skin, eyes, and respiratory tract.

Ingestion: May be harmful if swallowed. May cause irritation of the mouth, throat, and stomach. May cause gastrointestinal irritation, nausea, and diarrhea.

Skin Contact: Prolonged or repeated contact may cause skin irritation.

Inhalation: Inhalation of mist or vapor may irritate respiratory tract.

Eye Contact: May cause moderate eye irritation that can become severe with prolonged contact. Prolonged exposure to aluminum salts may cause conjunctivitis.

Carcinogenicity Status: This product does not contain any components in concentrations greater than or equal to 0.1% that are listed as known or suspected carcinogens by NTP, IARC, ACGIH, or OSHA.

Acute Toxicity of Individual Components:

Acute Oral LD50 (mg/kg): N/A

Acute Dermal LD50 (mg/kg): N/A

Acute Inhalation LC50 (mg/L): No information available

Acute Toxicity Of Individual Components:

Aluminum Chlorohydrate 12042-91-0

LD50 Oral: 9187mg/kg (rat)

LD50 Dermal: 2000 mg/kg (rat)

LC50 Inhalation: N/A

Mutagenicity/ Genotoxicity: No mutagenicity or genotoxicity studies have been carried out with this product.

Skin Corrosion/Irritation: 150.0 mg/3D-1 Mild irritation effects (human) 1

SECTION 12. ECOLOGICAL INFORMATION

Acute Fish Toxicity:

LC50 (96 hour, static): 776.4 mg/L Pimphales promelas (Fathead minnow) 2

EC50 (96 hour, static): 26.5mg/L Pimphales promelas (Fathead minnow)2

Acute Crustaceans Toxicity

LC50 (48 hour, static): 803.8 mg/L Ceriodaphnia dubia (Water flea) 2

EC50 (48 hour, static): 33.2 mg/L Ceriodaphnia dubia (Water flea)2

Acute Algae Toxicity:N/A

Ecotoxicity of Individual Components

Aluminum chlorohydrate, 12042-91-0

LC50 (96 hour, static): 100-500mg.L Brachyodanio rerio (Zebra Fish)

Mobility: N/A

Persistence: N/A

SECTION 13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Since the emptied container retains product residue, all labeled hazard precautions must be observed. Do NOT mix with other chemical wastes. Do not put solutions containing this product into sewer systems. Do not re-use empty containers. Dispose of product in an approved chemical waste landfill or incinerate in accordance with applicable federal, state, and local regulations.

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION (DOT)

Not regulated for transportation: This product is exempted from DOT regulations under 49 CFR 173.154(d) when shipped by road or railway. This product exemption is reference in 49 CFR 172.101 table. Packaging material must not be aluminum, steel or be degraded by this product.

ICAO/IATA

Status: Regulated material

Proper Shipping Name: Corrosive liquid, acidic, inorganic, n.o.s. (aluminum chlorohydrate solution)

UN/NA Number: UN3264

IATA-DGR Class:8

Packaging Group:III

ERG Code: 8L

IMDG

Status: Regulated Material

Proper Shipping Name: Corrosive liquid, acidic, inorganic, n.o.s. (aluminum chlorohydrate solution)

IATA-DGR Class:8

Packaging Group:III

EmS Schedules: F-A, S-B

Harmonized Tariff Number: 2827.32

Flash Point: N/a

SECTION 15: REGULATORY INFORMATION

International Inventories: USA TSCA Inventory Status: All of the components of this product are listed on the US EPA TSCA Inventory, or are exempt for listing.

Australian Chemical Inventory: All of the components of this product are listed on the Australian Chemical Inventory

Canadian DSL: All of the components of this product listed on the Canadian Domestic Substances list.

Chinese Chemical Inventory: All components of this product are listed on the Chinese Chemical Inventory.

EINECS: All of the components of this product are listed on EINECS, or exempt from notification.

European-ELINCS: All of the components of this product are not listed on ELINCS.

Japanese Chemical Inventory: All of the components of this product are listed on the JPENCS Inventory.

Korean Chemical Inventory: All of the components of this product are found on the Korean Existing Chemical Substances List.

Philippines Chemical Inventory: All of the components of this product are found on the Philippines Inventory.

New Jersey Trade Secret Registry Number: N/A

SARA Section 311/312 Hazard Class: This product is classified as a SARA Acute Health Hazard.

SECTION 16: OTHER INFORMATION

Date of Preparation: 8/25/15

Last Revision: 8/25/15