

HarChem

H₂O

Water Services

PO Box 310, Muldrow, OK 74948

SAFETY DATA SHEET

HP-8020

SECTION 1: IDENTIFICATION

MANUFACTURER/DISTRIBUTOR

HarChem Water Services

P.O. Box 310

Muldrow, OK 74948

Emergency Telephone Number:

479-806-0266 24 hours everyday

918-427-0777

Chemtec 1-(800)-262-8200

RECOMMENDED USES: Industrial Water Treatment of flocculation

SECTION 2: HAZARD IDENTIFICATION

PICTOGRAM REPRESENTATION:



Ingredient (s)	CAS#	% (by weight)
Aluminum Chlorhydrate	12042-91-0	70-90%
1,2-Ethanediamine, polymer	42751-79-1	10-30%
W/ (chloromethyl) oxirane and N-Methylmethanamine		

HAZARD STATEMENTS: May cause eye, skin and respiratory irritation.

HAZARD CLASSIFICATION: Skin Irritation: Category IV

Respiratory Irritation: Category III

Eye Irritation: Category II

Ingestion: Category III

SIGNAL WORD (IF APPLICABLE): Caution

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: Industrial Water Treatment of flocculation

SECTION 4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Lift or retract eyelids often while flushing in water. Get medical attention in irritation should occur.

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. Keep airway clear. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen and get immediate medical attention.

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: In a fire this product may build up pressure and rupture a sealed container. Cool exposed containers with water spray.

NFPA Hazard Codes:

Health: 1

Fire: 0

Reactivity: 0

Other: None

SECTION 6: ACCIDENTAL RELEASE MEASURES

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

SECTION 7: HANDLING AND STORAGE

HANDLING: Use good industrial practices when handling. Avoid eye, skin, and clothing contact. Do not inhale. Do not taste or swallow. Use only with adequate ventilation.

STORAGE: Keep containers tightly closed in a cool, well ventilated place. Keep from freezing.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OSHA'S PERMISSIBLE EXPOSURE LIMITS: OSHA, ACGIH and NIOSH have not developed PEL's for this product.

THRESHOLD LIMIT VALUES: N/A

PERSONAL PROTECTIVE EQUIPMENT:

EYES AND FACE: Wear splash proof chemical goggles or a face shield.

SKIN: Wear chemical resistant gloves and protective clothing.

RESPIRATORY: Wear NIOSH approved respirator as needed to mitigate exposure.

VENTILATION: Work in a well ventilated area. Do not breathe vapors or mist.

PROTECTIVE CLOTHING: Apron, face shield.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: Slight Amine

APPEARANCE: pale yellow

Solubility in Water: Soluble

Melting/ Freezing Point: N/A

Flashpoint: N/A

SECTION 10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: NONE

STABILITY: Stable

POLYMERIZATION: Will not occur

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may release toxic or hazardous gases such as Cl_2 and HCl.

MATERIALS TO AVOID: Oxidizing Agents

SECTION 11. TOXICOLOGICAL INFORMATION

Carcinogenic References: 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 TP, IARC, ACGIH, or OSHA.

Acute Toxicity of Individual Components: Aluminum Chlorhydrate 12042-91-0

LD50 Oral: 9187 mg/kg (rat)

LD50 Dermal: 2000 mg/kg (rat)

LC50 Inhalation: N/A

SECTION 12. ECOLOGICAL INFORMATION

Environmental Toxicity:

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

EC50 (96 hour, static) : 265.5 mg/L *Pimphales promelas* (Fathead minnow)²

Acute Crustaceans Toxicity: LC50 (48 hour, static): 8-3.8 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 chlorhydrate: 12042-91-0

LC50 (96 hour, static): 100-500 mg/L *Brachyodanio rerio* (Zebra fish)

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)

DOT LABELLING REQUIREMENTS: 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.

SECTION 15: REGULATORY INFORMATION

OSHA Hazardous Substance: This material is classified as hazardous under OSHA regulations.

SECTION 16: OTHER INFORMATION

Date of Preparation: 7/7/15

Last Revision: 7/7/15