Safety Data Sheet

Section 1: Product identification and use

Product Identifier: **TCI 1262 H.D.**

Process Identifier: **Waste Water Treatment Chemical: Poly Aluminum Chloride**

24 H EMERGENCY: 613-996-6666

Manufacturer's name and address:

Anchem Sales
120 Stronach Cres., London, ON N5V 3A1 Canada
Phone: 519-451-1614

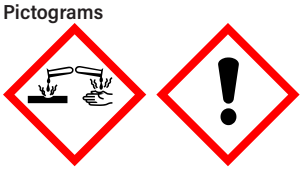
Supplier's name and address:

Tetra-Chem Industries Ltd.
271 Ingersoll St. S., Ingersoll ON N5C 3J7 Canada
Phone: 519-485-4370 — Toll free: 888-658-5515

Section 2: Hazard Identification

GHS Classification
Corrosive to Metals—Category 1
Eye Irritation—Category 2A

Pictograms



Signal Word
Warning

Hazard Statements
H290—May be corrosive to metal.
H319—Causes serious eye irritation.

Precautionary Statements
P234—Keep only in original container.
P264—Wash hands thoroughly after handling.
P280—Wear protective gloves and eye protection.
P305+P351+P338—IF IN EYES: Remove contact lenses if present and easy to do. Rinse cautiously with water or saline solution for several minutes.
P321—Specific treatment: Use mild alkaline solution to bring pH to 7 and use moisturizing eye drops for several days until eye ball feels perfectly normal again.
P337+P313—If eye irritation persists get medical attention.
P390—Absorb spillage to prevent material damage.
P406—Store in a corrosion resistant container of HDPE.

Section 3: Composition / information on ingredients

Hazardous Ingredients:	CHEMICAL NAME	CAS NUMBER	CONCENTRATION [%]
	Aluminum chloride hydroxide sulfate	39290-78-3	

Section 4: First aid measures

Description of First Aid Measures
General: Determine areas of exposure.
Inhalation: Excessive exposure - move the fresh air.
Skin Contact: Wash with cold water.
Eye Contact: Remove contact lenses. Rinse with cold water or saline solution.
Ingestion: Seek immediate medical attention. Do not induce vomiting.

Most Important Symptoms and Effects Both Acute and Delayed
General: Low risk to adverse health effects.
Inhalation: Respiratory irritation or sore throat.
Skin Contact: Mild irritation.
Eye Contact: Causes serious eye damage. Sympyoms may include redness, pain, tearing and conjuctivitis. Seek medical attention if symptoms persist.
Ingestion: Burning sensation just like acid reflux. Seek medical attention.
Notice to physician: treat symptomatically.

Section 5: Fire-fighting measures

Extinguishing Media
Suitable Extinguishing Media: Evaluate based on surrounding fire.
Unsuitable Extinguishing Media: Evaluate based on surrounding fire.
Special Hazards Arising From the Substance or Mixture
Fire Hazard: Corrosive acid vapours at high temperatures.
Explosion Hazard: No risk.

Reactivity: No risk.
Advice for Firefighters
Precautionary Measures Fire: Evaluate based on surrounding fire.
Firefighting Instructions: Evaluate based on surrounding fire.
Protection During Firefighting: Evaluate based on surrounding fire.
Hazardous Combustion Products: Acid vapours.

Section 6: Accidental release measures

Personal Precautions, Protective Equipment and Emergency Procedures
General Measures: Wear impervious splash protection. Neutralize with copious amounts of water or alkaline solutions and avoid flushing to ground or sanitary sewers.
For Non-Emergency Personnel
Protective Equipment: Wear impervious splash protection.
Emergency Procedures: Neutralize with copious amounts of water or alkaline solutions and flush to sanitary sewers. For large spills use containment and dike.
Phone Number of your local authority for Emergency Spill Response:

_____

For Emergency Personnel
Protective Equipment: Wear impervious splash protection.
Emergency Procedures: Neutralize with copious amounts of water or alkaline solutions and avoid flushing to ground or sanitary sewers.
Environmental Precautions
Methods and Material for Containment and Cleaning Up
For Containment: Water absorbent pads.
Methods for Cleaning Up: Mop up small spills and dispose to sanitary sewer.

Section 7: Handling and storage

Precautions for Safe Handling
Additional Hazards When Processed: Use only Manufacturer supplied containers and/or dispensing equipment. See GHS WORKPLACE LABEL in your work area.
Hygiene Measures: Do not eat, drink or smoke while using this product. Personal Protection Equipment required when removing oxidation from articles on equipment.
Conditions for Safe Storage, Including Any Incompatibilities
Technical Measures: Provide sufficient air exchange in application work areas.
Storage Conditions: Keep only in original containers.

Incompatible Materials: Do not mix with other cleaners.
Special Rules on Packaging: Consult Manufacturer or Supplier.

Specific End Use(s) TCI 1262 H.D. Waste water treatment chemical: Poly Aluminum Chloride for the precipitation of excessive solids..

See Product Application Sheet or label QR for safe intended use.

Section 8: Exposure controls / personal protection

Control Parameters
ACGIH TLV: Not available
OSHA PEL: Not available
Exposure Controls

Appropriate Engineering Controls: Adequate ventilation to meet exposure limits by removing the hazard from an inside or outside work environment. The chemical constituents of the cleaning solution do not evaporate but can be atomized by spraying or misting.

Personal Protective Equipment:

Other Information: Acid resistant GLOVES are not always required to prevent unsuspected and prolonged acid solution pooling. In confined spaces with minimal ventilation use NIOSH approved respirators in accordance with OSHA (29 CFR 1910.134) or CSA Z94.4-02.

Section 9: Physical and chemical properties

Information on Basic Physical and Chemical Properties
Physical State: Liquid.
Appearance: Water clear with slight odor.
Odour: Acidic.
Odour Threshold: Not available.
pH: 2.1 -3.1
Relative Evaporation Rate (butyl acetate=1): 0.3
Melting Point: Not applicable.
Freezing Point: –12°C
Boiling Point: 102°C.
Flash Point: Not applicable.
Auto-ignition Temperature: Not applicable.

Decomposition Temperature: Not applicable.
Flammability (solid/gas): Not applicable.
Lower Flammable Limit: Not applicable.
Upper Flammable Limit: Not applicable..
Vapour Pressure: 17 mmHg @ 20 °C.
Relative Vapour Density at 20°C: Not applicable..
Relative Density (water=1): 1.3
Solubility in Water: Complete
Partition coefficient: n-octanol/water: Not applicable.
Viscosity: 1 centipoise @ 20°C.
Explosion Data – Sensitivity to Mechanical Impact: Not applicable.
Explosion Data – Sensitivity to Static Discharge: Not applicable.

Section 10: Stability and reactivity

Reactivity: None when used as directed.
Chemical Stability: Stable.
Possibility of Hazardous Reactions: None when used as directed.

Conditions to Avoid: Chlorine or bleach.
Incompatible Materials: Alkalies, mineral acids, metals.
Hazardous Decomposition Products: Oxides of Carbon and Acid Vapours..

Section 11: Toxicological information

Information on Toxicological Effects - Product
Acute Toxicity: Not available.
LD_{50} Data (Species-Route): 11.8 g/kg(Rat - oral).
LC_{50} Data (Species-Route): 5mg/L (Rat - inhalation) 4 hrs.
Skin Corrosion/Irritation: Mild irritant (Acute exposure).
Serious Eye Damage/Irritation: Stinging, Corneal injury (Acute exposure).
Respiratory or Skin Sensitization: Not suspected.
Germ Cell Mutagenicity: Not suspected.
Teratogenicity: Not suspected.
Carcinogenicity: Not suspected.

Specific Target Organ Toxicity (Repeated Exposure): Not available.
Reproductive Toxicity: Not suspected.
Specific Target Organ Toxicity (Single Exposure): Not suspected.
Aspiration Hazard: Not anticipated.
Symptoms/Injuries After Inhalation: Irritation/burning sensation.
Symptoms/Injuries After Skin Contact: Minimal irritation/redness observation.
Symptoms/Injuries After Eye Contact: Stinging/scaly sensation.
Symptoms/Injuries After Ingestion: Sore throat.
Information on Toxicological Effects - Ingredients
No data available

Section 12: Ecological information

Toxicity: Not applicable when used as directed.
Mobility in Soil: Neutralizes and binds to soil.

Other Adverse Effects
Other Information: No unusual adverse effects encountered.

Section 13: Disposal considerations

Waste Disposal Recommendations: Consult Manufacturer or Supplier.
Additional Information: The cleaning process may generate a hazardous industrial waste. Comply with Canadian Ministry of Environment and Climate Change: Regulation 347 and local municipal by-laws. Comply with US EPA's federal, state & local regulations. Tetra-Chem Industries Ltd. is licensed by the Ministry of the Environment and Climate Change for waste management.
Ontario Certificate of Approval # A 800506.
Provincial Waste Class: Waste stream to be determined for treatment method.

Section 14: Transport information

TDGA Canada—Dangerous Goods: Regulated.
49 CFR (USA)—Dangerous Goods: Regulated.
IMDG (Vessel)—Dangerous Goods: Regulated.
IATA (Cargo air)—Dangerous Goods: Regulated.
IMDG (Passenger air)—Dangerous Goods: Regulated.

EMERGENCY ASSISTANCE: CANADA Canutec 1-888-CANUTEC (1-888-226-8832)

Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Aluminum chloride hydroxide sulfate)
Hazard Class: 8
Identification Number: UN3264
Packing Group: III
Label /Placard Codes: 8
Emergency response Guide: 154

Section 15: Regulatory information

CANADA: All ingredients are listed on the DSL Domestic Substance List.

USA: All ingredients are listed on the TSCA Toxic Substances Control Act.

Section 16: Other information

Prepared by: Health and Safety committee
Contact: A. Struthmann (Hon. BSc.)
Date prepared: 2023-02-28
Telephone: 1-519-536-1617

Additional information: The information in this SDS has been obtained from sources believed to be reliable. The manufacturer and supplier provides no warranties express or implied and assumes no responsibility for the accuracy or the completeness of the data contained herein.