

Safety Data Sheet

Section 1: Product identification and use

Product Identifier:

TCI 260 H.D.

Process Identifier: Hydrous iron (III) oxide and iron (III) oxide-hydroxide remover (biodegradable) (ready to use as soak)

24 H EMERGENCY: 613-996-6666

Manufacturer'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

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

Skin Corrosion/Irritation: Category 3

Eye Damage/Irritation: Category 2A

Pictograms



Signal Word

WARNING

Hazard Statements

H316—Causes mild skin irritation.

H319—Causes serious eye irritation.

Precautionary Statements

P264—Wash hands and contact materials thoroughly after handling.

P280—Wear protective gloves, protective clothing, and eye protection.

P305+P351+P338—IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P332+P313—If skin irritation occurs: Get medical advice or attention.

P337+P313—If eye irritation persists get medical advice or attention.

Section 3: Composition / information on ingredients

Hazardous Ingredients:

CHEMICAL NAME

CAS NUMBER

CONCENTRATION [%]

All COMPONENTS BELOW REPORTABLE LEVELS

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 skin irritation.

Eye Contact: The delayed effect symptoms may result in a scaly rash for 3-4 days when blinking. Seek medical attention.

Ingestion: Mild irritation. Seek medical attention.

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: No risk.

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: Oxides of Sulphur, Carbon and Nitrogen.

Section 6: Accidental release measures

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Minimal risk. Wear impervious splash protection.

For Non-Emergency Personnel

Protective Equipment: Wear impervious splash protection.

Emergency Procedures: Mop up small spills and dispose to sanitary sewer. If contaminated, contain the spill and collect in plastic containers for liquid waste removal.

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 and flush to sanitary sewers when the pH is below 8.5 and above 5.5.

Environmental Precautions

Methods and Material for Containment and Cleaning Up

For Containment: Water/oil absorbent pads.

Methods for Cleaning Up: Mop up small spills and dispose to sanitary sewer. Contain large spills and collect in plastic containers for liquid waste removal.

Section 7: Handling and storage

Precautions for Safe Handling

Additional Hazards When Processed: Use only Manufacturer supplied storage 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 for cleaning process.

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 260 H.D. Hydrous iron (III) oxide and iron (III) oxide-hydroxide remover (biodegradable) (ready to use as soak) in an immersion tank or Ultrasonic tank at ambient temperature.**

Scan Label QR for Product Application Sheet and SDS for safe intended use.

Section 8: Exposure controls / personal protection

Control Parameters

ACGIH TLV: **Not established.**

OSHA PEL: **Not established.**

Exposure Controls

Appropriate Engineering Controls: Always use adequate ventilation to meet set exposure limits by removing the hazard from an inside or outside work environment. The chemical constituents of the cleaning solution does not evaporate.

Personal Protective Equipment:



Other Information: Disposable GLOVES are always required.

Section 9: Physical and chemical properties

Information on Basic Physical and Chemical Properties

Physical State: Liquid.

Appearance: Clear with slight amber color.

Odour: Detergent.

Odour Threshold: Not available.

pH: 4

Relative Evaporation Rate (butyl acetate=1): 0.3

Melting Point: Not applicable.

Freezing Point: 0°C

Boiling Point: 100°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: Not applicable.

Relative Vapour Density at 20°C: Not applicable.

Relative Density (water=1): 1.09

Solubility in Water: Complete

Partition coefficient: n-octanol/water: Not applicable.

Viscosity: 20 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: Stable.

Chemical Stability: Stable.

Possibility of Hazardous Reactions: None when used as directed.

Conditions to Avoid: Strong oxidizers.

Incompatible Materials: None when used as directed.

Hazardous Decomposition Products: None when used as directed.

Section 11: Toxicological information

Information on Toxicological Effects - Product

Acute Toxicity: Not available.

LD₅₀ Data (Species-Route): Not available.

LC₅₀ Data (Species-Route): Not available.

Skin Corrosion/Irritation: Mild irritant

Serious Eye Damage/Irritation: Moderate corneal injury: Rabbit 1 mg/24hrs

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/tingling sensation.

Symptoms/Injuries After Skin Contact: Slight irritation/dryness.

Symptoms/Injuries After Eye Contact: Tearing/Itching/scaly sensation.

Symptoms/Injuries After Ingestion: Sore throat/severe irritation.

Information on Toxicological Effects - Ingredients

Section 12: Ecological information

Toxicity: Not applicable when used as directed.

Mobility in Soil: Neutralizes and turns to salt in soil.

Detergents are biodegradable.

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: NOT REGULATED

49 CFR (USA) DANGEROUS GOODS: NOT REGULATED

IMDG (VESSEL) DANGEROUS GOODS: NOT REGULATED

IATA (CARGO AIR) DANGEROUS GOODS: NOT REGULATED

IMDG (PASSENGER AIR) DANGEROUS GOODS: NOT REGULATED

EMERGENCY ASSISTANCE:

CANADA Canutec 1-888-CANUTEC (1-888-226-8832)

Proper Shipping Name:

Hazard Class:

Identification Number:

Packing Group:

Label /Placard Codes:

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

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Date prepared: 2025-01-27

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.