

# Safety Data Sheet

## Section 1: Product identification and use

**Product Identifier:**

# TCI 1205 H.D.

**Process Identifier:**

Multi-metal non-foaming hot aqueous cabinet jet wash degreaser, rust, scale, paint stripper and corrosion inhibitor (powder)

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**

Eye Irritation—Category 2A

Skin Irritation—Category 3

**Pictograms**



**Signal Word**

WARNING

**Hazard Statements**

H316—Causes mild skin irritation.

H319—Causes serious eye irritation.

**Precautionary Statement**

P264—Wash exposed skin 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 – 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**

Sodium Metasilicate

**CAS NUMBER**

6834-92-0

**CONCENTRATION [%]**

40 -70

## Section 4: First aid measures

**Description of First Aid Measures**

**General:** Determine areas of exposure.

**Inhalation:** Minimal risk of exposure.

**Skin Contact:** Wash with cold water or neutralize with mild vinegar solution.

**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:** Prolonged skin contact defats the skin. Mild or no irritation.

**Eye Contact:** The alkali solution or dust can travel to the back of the eye ball and corrode the optic nerve if targeted directly into the eyes. The delayed effect symptoms are a scaly rash for 3 to 4 days when blinking. Seek medical attention.

**Ingestion:** Burning sensation just like acid reflux. 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:** None.

**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 Carbon.

## Section 6: Accidental release measures

**Personal Precautions, Protective Equipment and Emergency Procedures**

**General Measures:** Wear impervious splash protection. Neutralize with copious amounts of water and flush to sanitary sewers.

**For Non-Emergency Personnel**

**Protective Equipment:** Wear impervious splash protection.

**Emergency Procedures:** Neutralize with copious amounts of water and flush to sanitary sewers. For larges spills shovel back into similar shipping container. **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.

**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 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 when removing cleaned parts from the**

**Personal Protection Equipment required when removing cleaned parts from the hot aqueous solution of the jet washer cabinet.**

**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 1205 H.D. Aqueous Non-Foaming Multi-Metal Cabinet Jet Washer Compound is primarily used or dissolved at 3oz/gal or 25g/L @ 160 F or 70 C to remove carbonaceous soils from white and ferrous metal articles on motive power equipment.

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

## Section 8: Exposure controls / personal protection

### Control Parameters

ACGIH TLV: 30 mg/m<sup>3</sup> (TWA) 30 mg/m<sup>3</sup> (STEL)

OSHA PEL: 30 mg/m<sup>3</sup> (TWA)

### Exposure Controls

**Appropriate Engineering Controls:** This powder blend is non-dusting. Adequate ventilation to meet exposure limits by removing the hazard from an inside or outside work environment.

### Personal Protective Equipment:



**Other Information:** Parts coming out of the cabinet washer are hot at 80°C. Protect yourself from heat burns and scalding water.

## Section 9: Physical and chemical properties

### Information on Basic Physical and Chemical Properties

**Physical State:** Solid.

**Appearance:** White granular.

**Odour:** Detergent smell.

**Odour Threshold:** Not available.

**pH:** 1% solution in water: 11

**Relative Evaporation Rate (butyl acetate=1):** Not applicable.

**Melting Point:** Not applicable.

**Freezing Point:** Not applicable.

**Boiling Point:** Not applicable.

**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):** Not applicable.

**Solubility in Water:** Complete

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

**Viscosity:** Not applicable.

**Explosion Data – Sensitivity to Mechanical Impact:** Not applicable.

**Explosion Data – Sensitivity to Static Discharge:** Not applicable.

## Section 10: Stability and reactivity

**Reactivity:** Reacts violently with strong acids forming steam under water.

**Chemical Stability:** Stable.

**Possibility of Hazardous Reactions:** None when used as directed.

**Conditions to Avoid:** None when used as directed.

**Incompatible Materials:** Strong and weak acids.

**Hazardous Decomposition Products:** None.

## Section 11: Toxicological information

### Information on Toxicological Effects - Product

**Acute Toxicity:** Not available.

**LD<sub>50</sub> Data (Species-Route):** 12.8 g/kg(Rat - oral) 24 g/kg(Mouse - oral).

**LC<sub>50</sub> Data (Species-Route):** Not available.

**Skin Corrosion/Irritation:** Mild irritant.

**Serious Eye Damage/Irritation:** Stinging, Corneal injury.

**Respiratory or Skin Sensitization:** Not suspected.

**Germ Cell Mutagenicity:** Not suspected.

**Teratogenicity:** Not suspected.

**Carcinogenicity:** Not suspected.

**Specific Target Organ Toxicity (Repeated Exposure):** Not anticipated.

**Reproductive Toxicity:** Not suspected.

**Specific Target Organ Toxicity (Single Exposure):** Not suspected.

**Aspiration Hazard:** Not anticipated.

**Symptoms/Injuries After Inhalation:** Mild tingling sensation/no injury.

**Symptoms/Injuries After Skin Contact:** Slight dryness/no injury.

**Symptoms/Injuries After Eye Contact:** Tearing, Stinging with dry scaly sensation.

**Symptoms/Injuries After Ingestion:** Sore throat/dryness.

**Information on Toxicological Effects - Ingredients**

**Powder reacts with the moisture on skin that could defat and dry out skin.**

## Section 12: Ecological information

**Toxicity:** Not applicable when used as directed.

**Mobility in Soil:** Neutralizes and binds to 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:** Not applicable

**Proper Shipping Name:** Not applicable

**Hazard Class:** Not applicable

**Identification Number:** Not applicable

**Packing Group:** Not applicable

**Label /Placard Codes:** Not applicable

## 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.)

**Telephone:** 1-519-536-1617

**Date prepared:** 2023-09-07

**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.