

# Safety Data Sheet

## Section 1: Product identification and use

**Product Identifier:**

# TCI 712 H.D.

**Process Identifier:**

Brushless degreaser: weld spatter guard, engines, diesel exhaust smoke, side curtain trailer cleaner

24H 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 2B

Skin Irritation—Category 2

**Pictograms**



**Signal Word**

Warning

**Hazard Statements**

H315—Causes skin irritation.

H320—Causes eye irritation.

**Precautionary Statements**

P264—Wash hands or contact materials thoroughly after handling.

P280—Wear protective gloves and eye protection.

P302+P352—IF ON SKIN: Wash with plenty of water.

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

P321—Specific treatment (treat as dry skin).

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

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

P362+P364—Take off contaminated clothing and wash it before reuse.

## Section 3: Composition / information on ingredients

**Hazardous Ingredients:**

**CHEMICAL NAME**

Sodium Metasilicate

2-Butoxy Ethanol

**CAS NUMBER**

6834-92-0

111-76-2

**CONCENTRATION [%]**

1 - 5

7 - 13

## 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.

**Skin Contact:** Mild skin irritation.

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

**Ingestion:** Irritation just like acid reflux. Seek medical attention.

## Section 5: Fire-fighting measures

**Extinguishing Media**

**Suitable Extinguishing Media:** Water spray or Dry chemical.

**Unsuitable Extinguishing Media:** Not available.

**Special Hazards Arising From the Substance or Mixture**

**Fire Hazard:** None under normal conditions.

**Explosion Hazard:** None under normal conditions. Volatile when heated.

**Reactivity:** Stable under normal conditions.

**Advice for Firefighters**

**Precautionary Measures Fire:** Water reduces the spread of fire.

**Firefighting Instructions:** Keep the container cool.

**Protection During Firefighting:** Wear self-contained breathing apparatus for firefighting if necessary.

**Hazardous Combustion Products:** Not applicable.

## 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 safe acid solutions and flush to sanitary sewers when the pH is between 8.5 and 5.5.

**For Non-Emergency Personnel**

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

**Emergency Procedures:** Neutralize with copious amounts of water or safe acid solutions and flush to sanitary sewers if the pH is below 8.5 and above 5.5.

**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 safe acid solutions and flush to sanitary sewers when the pH is between 8.5 and 5.5.

**Environmental Precautions**

If contaminated, contain the spill and collect in plastic containers.

**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.

## 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 specific 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 712 H.D.** Brush less Engine Degreaser, Weld Spatter Guard, Diesel Exhaust Soot, Exterior RV and Siding Caulking Streak and Side Curtain Cleaner Concentrate is designed to be used full strength or diluted up to 10:1 with water and pre-sprayed to clean the entire soil spectrum encountered in the industrial environment. Harmless to most industrial paints, anodized aluminum and coatings.

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

## Section 8: Exposure controls / personal protection

### Control Parameters

ACGIH TLV: **15 mg/m<sup>3</sup> (TWA) 175 ppm (SKIN 500 mg/m<sup>3</sup> (INHALATION))**  
OSHA PEL: **15 mg/m<sup>3</sup> (TWA) 175 ppm (SKIN 500 mg/m<sup>3</sup> (INHALATION))**

### Exposure Controls

**Appropriate Engineering Controls:** Use 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:** Alkali resistant GLOVES are NOT always required. In confined wash areas with minimal ventilation use NIOSH approved alkaline spray mist and splash protection when washing.

## Section 9: Physical and chemical properties

### Information on Basic Physical and Chemical Properties

**Physical State:** Liquid.

**Appearance:** Clear with green color.

**Odour:** Butyl detergent.

**Odour Threshold:** Not available.

**pH:** 11

**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 determined.

**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):** 1.03

**Solubility in Water:** Complete

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

**Viscosity:** 1.27 centipoise

**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.

**LD<sub>50</sub> Data (Species-Route):** 1,500 mg/kg(Rat - oral).

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

**Skin Corrosion/Irritation:** Mild skin irritation.

**Serious Eye Damage/Irritation:** 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:** Dryness/scaly sensation with flaking.

**Symptoms/Injuries After Eye Contact:** Tearing, itching irritation. Redness

**Symptoms/Injuries After Ingestion:** Mouth/throat/skin irritation.

**Information on Toxicological Effects - Ingredients**

**Concentration of 2-Butoxy Ethanol is fixed at Category 4.**

## Section 12: Ecological information

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

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

Detergents and solvent 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:** 2023-03-01

**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.