

# Safety Data Sheet

## Section 1: Product identification and use

### Product Identifier:

# TCl 800 H.D.

**Process Identifier:** Cold immersion "aluminum safe" Metal degreaser, varnish, carbon and paint stripper for engine and fuel injection rebuilders and carburetor 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

Carcinogenicity—Category 1B  
Acute Toxicity (Oral)—Category 4  
Skin Corrosion—Category 1C  
Serious Eye Damage—Category 1

### Pictograms



### Signal Word

DANGER

### Hazard Statements

H302—Harmful if swallowed.  
H314—Causes severe skin burns and eye damage.  
H318—Causes serious eye damage.  
H333—May be harmful if inhaled.  
H335—May cause respiratory irritation.  
H336—May cause drowsiness or dizziness.  
H350—May cause cancer.

### Precautionary Statements

P201—Obtain special instructions before use.

P202—Do not handle until all safety precautions have been read and understood.  
P233—Keep container tightly closed.  
P260—Do not breathe vapours.  
P262—Do not get in eyes, on skin or clothing.  
P264—Wash ... thoroughly after handling.  
P270—Do not eat, drink or smoke when using this product.  
P271—Use in a well ventilated area.  
P273—Avoid release into the environment.  
P280—Wear protective gloves/protective clothing/eye protection/face protection.  
P284—Wear respiratory protection.  
P301+P312—IF SWALLOWED: Call a POISON CENTER/doctor/.../if you feel unwell.  
P301+P330+P331—IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P303+P361+P353—IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304+P340—IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+P351+P338—IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.  
P308+P313—IF exposed or concerned: Get medical advice/attention.  
P310—Immediately call a POISON CENTER/doctor/...  
P321—Specific treatment (see ... on this label).  
P330—Rinse mouth.  
P363—Wash contaminated clothing before reuse.  
P405—Store locked up.  
P411—Store at temperatures not exceeding 20°C.  
P501—Dispose of contents/container to ... [... in accordance with local/regional/national/international regulation (to be specified)].

## Section 3: Composition / information on ingredients

Hazardous Ingredients:	CHEMICAL NAME	CAS NUMBER	CONCENTRATION [%]
	Dichloromethane	75-09-2	60-100
	Methanoic acid	64-18-6	3-7
	Alkylarylbenzenesulfonic acid	85536-14-7	3-7

## Section 4: First aid measures

### Description of First Aid Measures

**General:** Follow general guidelines in Section 2.

**Inhalation:** Excessive exposure - move the fresh air. Apply CPR if not breathing.

**Skin Contact:** Remove contaminated clothing immediately. Wash with soap and 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:** Assess the degree of exposure. Assess responders risk and protection.

**Inhalation:** Respiratory irritation and possible dizziness.

**Skin Contact:** Instant irritation or burn.

**Eye Contact:** Instant irritation or burn, redness.

**Ingestion:** Drying sensation with gastrointestinal irritation or burn.

## Section 5: Fire-fighting measures

### Extinguishing Media

**Suitable Extinguishing Media:** Assess surrounding conditions. Dry chemical powder, Carbon dioxide, Alcohol or polymer foam.

**Unsuitable Extinguishing Media:** Solvent will sink to the bottom of water.

### Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** Know the Fire Extinguisher location at your workstation.

**Explosion Hazard:** None under normal conditions. Volatile when heated. Do not weld, torch or cut drums containing residual vapours. Vapours may be in the flammable range and an explosion may occur.

**Reactivity:** Stable under normal conditions.

### Advice for Firefighters

**Precautionary Measures Fire:** Keep away from High Energy Ignition Sources. Solvent will not float on water and spread of fire.

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

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

**Hazardous Combustion Products:** Oxides of Carbon, phosgene, hydrogen halide, acid vapours and smoke.

## Section 6: Accidental release measures

### Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Highly volatile. Vapors are heavier than air and settle in pits. Evacuate people in immediate area to the outdoors. Ventilate area: all windows and doors open until smell is gone.

### For Non-Emergency Personnel

**Protective Equipment:** Non-slip footwear, safety glasses, NIOSH approved Organic Acid/Vapor Respirator and impervious protective gloves for splash protection: Nitrile, Neoprene or Butyl Gloves.

**Emergency Procedures:** Evacuate and ventilate area. Stop mobility using suitable oil absorbing materials for small spills. Large spills are not likely in this dedicated application.

**Phone Number of your local authority for Emergency Spill Response:**

### For Emergency Personnel

**Protective Equipment:** Non-slip footwear, safety glasses, NIOSH approved Organic Acid/Vapour Respirator and impervious protective gloves for splash protection: Nitrile, Neoprene or Butyl Gloves.

**Emergency Procedures:** Evacuate and ventilate area. Stop mobility using suitable oil absorbing materials for small spills. Large spills are not likely in this dedicated application.

### Environmental Precautions

### Methods and Material for Containment and Cleaning Up

**For Containment:** Stop mobility with enclosed steel containers.

**Methods for Cleaning Up:** Large spills are not likely but should be contained and resultant waste properly classified prior to disposal (See Section 13).

## Section 7: Handling and storage

### Precautions for Safe Handling

**Additional Hazards When Processed:** See GHS WORKPLACE LABEL in your work area. Keep container closed when not in use. Rinse only with cold water.

**Hygiene Measures:** Personal Protection Equipment required when cleaning or degreasing parts.

### Conditions for Safe Storage, Including Any Incompatibilities

**Technical Measures:** Provide sufficient air exchange in work rooms.

**Storage Conditions:** Only stored in well ventilated area, tightly sealed and away from excessive heat.

**Incompatible Materials:** This product has an approved dedicated application. Consult Manufacturer or Supplier for compatible application systems.

### Special Rules on Packaging:

**Specific End Use(s)** TCl 800 H.D. Cold immersion "aluminum safe" Metal degreaser, varnish, carbon and paint stripper for engine and fuel injection rebuilders and carburetor cleaner is a concentrated, ready-to-use, light amber, non-flammable, clear liquid solvent with a pungent organic acid odour. It is designed for extremely fast immersion degreasing, decarbonizing cleaning applications of primary and cast aluminum as well as ferrous metal casting components found in the automotive, aviation, industrial and agricultural maintenance industry.

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

## Section 8: Exposure controls / personal protection

### Control Parameters

ACGIH TLV: 9 mg/m<sup>3</sup> or 5 ppm

OSHA PEL: 9 mg/m<sup>3</sup> or 5 ppm

### Exposure Controls

**Appropriate Engineering Controls:** Adequate ventilation to meet exposure limits by removing the hazard from the work environment.

### Personal Protective Equipment:



**Other Information:** Handle in accordance with good workplace hygiene and safety practices and procedures. Solvent splash protection and neoprene gloves should be selected and worn.

## Section 9: Physical and chemical properties

### Information on Basic Physical and Chemical Properties

**Physical State:** Liquid.

**Appearance:** Dark amber.

**Odour:** Pungent acid smell.

**Odour Threshold:** Not available.

**pH:** 2-2.8

**Relative Evaporation Rate (butyl acetate=1):** > 4.7

**Melting Point:** -110°C.

**Freezing Point:** -110°C

**Boiling Point:** 40°C

**Flash Point:** None.

**Auto-ignition Temperature:** > 460°C

**Decomposition Temperature:** Not determined.

**Flammability (solid/gas):** Not determined.

**Lower Flammable Limit:** 3.8% by volume.

**Upper Flammable Limit:** 9.5% by volume.

**Vapour Pressure:** 134 mmHg @ 25°C

**Relative Vapour Density at 20°C:** > 4.24 @ 760 mmHg

**Relative Density (water = 1):** 1.31

**Solubility in Water:** Emulsifiable.

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

**Viscosity:** 1 centipoise.

**Explosion Data - Sensitivity to Mechanical Impact:** No.

**Explosion Data - Sensitivity to Static Discharge:** No.

## Section 10: Stability and reactivity

**Reactivity:** Stable.

**Chemical Stability:** Stable under normal conditions.

**Possibility of Hazardous Reactions:** No decomposition under normal degreasing/cleaning conditions.

**Conditions to Avoid:** Excessive heat, flames and sparks.

**Incompatible Materials:** Strong Oxidizing Agents, Alkalies and Natural Rubber.

**Hazardous Decomposition Products:** NONE under normal conditions. Oxides of Carbon, Hydrogen Chloride and Organic Acid Vapors under extreme heat.

## Section 11: Toxicological information

### Information on Toxicological Effects—Product

**Acute Toxicity:** Low toxicity below 25 ppm

**LD<sub>50</sub> Data (Species-Route):** RAT - oral: > 730 mg/kg

**LC<sub>50</sub> Data (Species-Route):** RAT - inhalation: > 7.4 mg/L 4 hr.

**Skin Corrosion/Irritation:** Instant irritation and burn.

**Serious Eye Damage/Irritation:** Instant irritation and burn.

**Respiratory or Skin Sensitization:** Possible in some susceptible individuals.

**Germ Cell Mutagenicity:** No available evidence.

**Teratogenicity:** No available evidence.

**Carcinogenicity:** NTP: reasonably anticipated, IARC: suspected.

**Specific Target Organ Toxicity (Repeated Exposure):** Central Nervous System, Respiratory System.

**Reproductive Toxicity:** No available evidence.

**Specific Target Organ Toxicity (Single Exposure):** No available evidence.

**Aspiration Toxicity Hazard:** Chemical pneumonitis or pulmonary edema.

**Symptoms/Injuries After Inhalation:** Headache, dizziness, nausea, vomiting or narcosis. Irritating to the eyes and respiratory tract.

**Symptoms/Injuries After Skin Contact:** Stinging, latent burns. Heals with no scars. Excessive exposure of 15 minutes may separate the skin from the subcutaneous layer.

**Symptoms/Injuries After Eye Contact:** Stinging and tissue burns may occur.

**Symptoms/Injuries After Ingestion:** Gastrointestinal burns and skin separation from the subcutaneous layer.

### Information on Toxicological Effects—Ingredients

All ingredients synergistically defat and corrode skin.

## Section 12: Ecological information

**Toxicity:** Expected to be harmful to aquatic organisms or demonstrate chronic toxicity. None of the ingredients are hazardous atmospheric pollutants.

**Mobility in Soil:** Not expected to be mobile. No bioaccumulation.

### Other Adverse Effects

**Other Information:** VOC's (EPA method 24) 0 g/L.

## 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.

Canadian Provincial Waste Class: 241 H

## 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:** UN3265, CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S., (Dichloromethane)

**Hazard Class:** 8

**Identification Number:** 3265

**Packing Group:** II

**Label/Placard Codes:** 8

## 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. B.Sc.

**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.