

Safety Data Sheet

Section 1: Product identification and use

Product Identifier:

TCI 804 H.D.

Process Identifier: Vertical surface "epoxy and polyurethane" paint stripper (biodegradable) water rinsable

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

Acute Toxicity (Dermal)—Category 3
Acute Toxicity (Inhalation)—Category 5
Acute Toxicity (Oral)—Category 2
Eye Irritation—Category 2A
Hazardous to the Aquatic Environment—Acute Hazard—Category 3
Skin Irritation—Category 3

Pictograms



Signal Word

Danger

Hazard Statements

H300—Fatal if swallowed.
H311—Toxic in contact with skin.
H316—Causes mild skin irritation.
H319—Causes serious eye irritation.

H333—May be harmful if inhaled.
H402—Harmful to aquatic life.

Precautionary Statements

P264—Wash contact skin thoroughly after handling.
P270—Do not eat, drink or smoke when using this product.
P273—Avoid release to the environment.
P280—Wear protective gloves and eye protection.
P301+P310—IF SWALLOWED: Immediately call a doctor at hospital emergency dept.
P302+P352—IF ON SKIN: Wash with plenty of water or saline solution and apply moisturizer.
P304+P312—IF INHALED: Call a doctor at hospital emergency department if you feel unwell.
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.
P310—Immediately call a doctor at hospital emergency dept.
P321—Specific treatment (follow advice of doctor).
P330—Rinse mouth.
P332+P313—If skin irritation occurs: Get medical advice or attention.
P337+P313—If eye irritation persists get medical advice or attention.
P361+P364—Take off immediately all contaminated clothing and wash it before reuse.
P405—Store locked up.
P501—Dispose of contents and/or container (See Section 13) in accordance with local/regional/national/international regulations. Return container to supplier for recycling.

Section 3: Composition / information on ingredients

| Hazardous Ingredients: | CHEMICAL NAME | CAS NUMBER | CONCENTRATION [%] |
|------------------------|----------------|------------|-------------------|
| | Benzyl Alcohol | 100-51-6 | 30 - 60 |
| | Dibasic Ester | 1119-40-0 | 15 - 40 |
| | Methyl Alcohol | 67-56-1 | 7 - 13 |

Section 4: First aid measures

Description of First Aid Measures

General: Low risk to adverse health effects.
Inhalation: Excessive exposure - move the fresh air.
Skin Contact: 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: Low risk to adverse health effects.
Inhalation: Respiratory irritation and possible dizziness.
Skin Contact: Irritation caused by defatting of skin.
Eye Contact: Itching irritation, redness.
Ingestion: Causes gastrointestinal irritation, nausea, vomiting and diarrhoea.

Section 5: Fire-fighting measures

Extinguishing Media

Suitable Extinguishing Media: Dry chemical.
Unsuitable Extinguishing Media: Do not use solid water stream.
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.
Reactivity: Stable under normal conditions.

Advice for Firefighters

Precautionary Measures Fire: Keep container cool with water spray.
Firefighting Instructions: Keep the container cool.
Protection During Firefighting: Wear self-contained breathing apparatus for firefighting if necessary.
Hazardous Combustion Products: Oxides of Carbon and particulate matter in smoke.

Section 6: Accidental release measures

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Spills on floors are slippery.
For Non-Emergency Personnel
Protective Equipment: Non-slip footwear, safety glasses and protective gloves.
Emergency Procedures: Ventilate area if spilled indoors. Stop mobility using suitable oil absorbing materials for small spills.
Phone Number of your local authority for Emergency Spill Response:

For Emergency Personnel

Protective Equipment: Non-slip footwear, safety glasses and protective gloves.
Emergency Procedures: Ventilate area if spilled indoors.
Environmental Precautions
Methods and Material for Containment and Cleaning Up
For Containment: Stop mobility with suitable oil absorbent.
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: None.
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 cleaning equipment or parts.
Conditions for Safe Storage, Including Any Incompatibilities
Technical Measures: Provide sufficient air exchange in work rooms.
Storage Conditions: Normal dry storage.

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

Special Rules on Packaging: Consult Manufacturer or Supplier.
Specific End Use(s) TCI 804 H.D. is Part I of a two component "Epoxy & Polyurethane" immersion Paint Stripper that is Water Rinsable and Biodegradable. It is safe to use on all metal surfaces.
Add TCI 604 H.D. as component II (10% of 50% Hydrogen Peroxide) at time of use and application to assure long chemical stability and adjust-ability of stripping speed.
Scan Label QR for Product Application Sheet and SDS for safe intended use.

Section 8: Exposure controls / personal protection

Control Parameters

ACGIH TLV: 10mg/m³ 8 hour TWA for Dibasic Ester
44mg/m³ 8 hour TWA for Benzyl Alcohol

Exposure Controls

Appropriate Engineering Controls: Depending on the application methods, adequate ventilation should be provided to meet any exposure limits by removing any possible synergistic hazards from the work environment.

Personal Protective Equipment:



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

Section 9: Physical and chemical properties

Information on Basic Physical and Chemical Properties

Physical State: Liquid gel.

Appearance: Clear, colorless.

Odour: Clean, sweet ester odor.

Odour Threshold: 0.1 ppm.

pH: Not available.

Relative Evaporation Rate (butyl acetate=1): < 0.1

Melting Point: -20°C.

Freezing Point: -20°C

Boiling Point: 225°C

Flash Point: > 95°C.

Auto-ignition Temperature: > 370°C

Decomposition Temperature: Not determined.

Flammability (solid/gas): Not determined.

Lower Flammable Limit: 0.9% by volume

Upper Flammable Limit: 8% by volume

Vapour Pressure: 0.09 mmHg @ 25°C

Relative Vapour Density at 20°C: > 1 @ 760 mmHg

Relative Density (water = 1): 3.72

Solubility in Water: Soluble.

Partition coefficient: n-octanol/water: 1.1.

Viscosity: 2-3K 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 operating conditions.

Conditions to Avoid: Excessive heat, flames and sparks.

Incompatible Materials: Strong Oxidizing Agents. Strong acids. Strong alkalis.

Hazardous Decomposition Products: No decomposition under normal operating conditions of storage or use.

Section 11: Toxicological information

Information on Toxicological Effects—Product

Acute Toxicity: > 2,000mg/kg

LD₅₀ Data (Species-Route): RABBIT - dermal: > 2 g/kg; RAT - oral: > 1 g/kg

LC₅₀ Data (Species-Route): RAT - inhalation: > 2-3 mg/L (8hours)

Skin Corrosion/Irritation: Mild irritation with prolonged exposure defatting.

Serious Eye Damage/Irritation: May cause mild, short-lasting discomfort.

Respiratory or Skin Sensitization: Not expected to be a skin/respiratory sensitizer.

Germ Cell Mutagenicity: No evidence at concentrations greater than 0.1%.

Teratogenicity: No available evidence.

Carcinogenicity: No available evidence.

Specific Target Organ Toxicity (Repeated Exposure): No available evidence.
Reproductive Toxicity: Not expected to cause reproductive or developmental effects.

Specific Target Organ Toxicity (Single Exposure): Not classified.

Aspiration Toxicity Hazard: Not an aspiration hazard.

Symptoms/Injuries After Inhalation: No available evidence.

Symptoms/Injuries After Skin Contact: None

Symptoms/Injuries After Eye Contact: Itching/Redness may occur.

Symptoms/Injuries After Ingestion: Gastrointestinal irritation and diarrhoea.

Information on Toxicological Effects—Ingredients

All ingredients synergistically defat the skin.

Section 12: Ecological information

Toxicity: Toxic to aquatic life with long lasting effects. None of the ingredients are hazardous atmospheric pollutants.

Mobility in Soil: Expected to be readily biodegradable.

Other Adverse Effects

Other Information: VOC's (EPA method 24) 800 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.

Provincial Waste Class: Waste stream to be determined for treatment method.

Section 14: Transport information

TDGA CANADA - DANGEROUS GOODS: NON-REGULATED

49 CFR (USA) DANGEROUS GOODS: NON-REGULATED

IMDG (VESSEL) DANGEROUS GOODS: NON-REGULATED

IATA (CARGO AIR) DANGEROUS GOODS: NON-REGULATED

IMDG (PASSENGER AIR) DANGEROUS GOODS: NON-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

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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.