

Safety Data Sheet

Section 1: Product identification and use

Product Identifier:

TCI 805 H.D.

Process Identifier:

Vinyl graphics decal remover gel safe on metals and most paint

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 2B
Flammable Liquids—Category 4
Reproductive Toxicity—Category 2

H320—Causes eye irritation.
H361—Suspected of damaging fertility or the unborn child.

Pictograms



Signal Word

Danger

Precautionary Statements

P201—Obtain special instructions before use.
P202—Do not handle until all safety precautions have been read and understood.
P210—Keep away from heat - No smoking.
P264—Wash hands thoroughly after handling.
P280—Wear protective gloves, eye protection and face 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.
P308+P313—If exposed: Call a POISON CENTER or doctor/physician.
P337+P313—If eye irritation persists get medical advice or attention.
P370+P378—In case of fire: Use fire extinguisher near by.
P403—Store in a well ventilated place.
P405—Store locked up.
P501—Dispose of contents in accordance with local, regional, national and international government regulations. Return container to supplier for recycling.

Hazard Statements

H227—Combustible liquid.

Section 3: Composition / information on ingredients

Hazardous Ingredients:

CHEMICAL NAME	CAS NUMBER	CONCENTRATION [%]
1-Methyl-2-Pyrrolidinone	872-50-4	30 - 60
Dimethyl Succinate	106-65-0	30 - 60
Isopropanol	67-63-0	3 - 7

Section 4: First aid measures

Description of First Aid Measures

General: Low risk to adverse health effects.

Inhalation: Thick Gel: No inhalation hazard

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: No respiratory irritation or possible dizziness under normal application.

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: Non-Flammable.

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 fire fighting if necessary.

Hazardous Combustion Products: Oxides of Carbon, Nitrogen 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: Not likely to occur.

Environmental Precautions

Methods and Material for Containment and Cleaning Up

For Containment: Not mobile. Scoop up with suitable absorbent.

Methods for Cleaning Up: Large spills are not likely and are self contained.

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 containers locked up when not in use. Rinse personal contamination only with cold water.

Hygiene Measures: Personal Protection Equipment: Safety Glasses required when brushing onto vinyl decals.

Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Use outside or provide sufficient air exchange in work areas.

Storage Conditions: Store locked up

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

Special Rules on Packaging: Consult Manufacturer or Supplier.

Specific End Use(s) TCI 805 H.D. GEL is applied by brush or plastic scraper to the vinyl graphics. Safe on Aluminum, Steel, Stainless Steel & painted surfaces. Safe on most paints but precautionary tests are recommended for suitability to which the vinyl graphics is affixed. Allow to react for 30 - 60 minutes. Peel off or use high pressure cold water from a rotary or zero degree nozzle.

Section 8: Exposure controls / personal protection

Control Parameters

ACGIH TLV: NO exposure limits noted for ingredients.

OSHA PEL: NO exposure limits noted for ingredients.

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 gel contact protection should be selected and worn ie. neoprene gloves.

Section 9: Physical and chemical properties

Information on Basic Physical and Chemical Properties

Physical State: Thick gel.

Appearance: Light brown paste.

Odour: No smell.

Odour Threshold: Not available.

pH: 8 - 10.

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

Melting Point: Not available.

Freezing Point: Not available.

Boiling Point: 200°C

Flash Point: 104°C

Auto-ignition Temperature: Not available.

Decomposition Temperature: Not determined.

Flammability (solid/gas): Not determined.

Lower Flammable Limit: 1.3% by volume.

Upper Flammable Limit: 9.5% by volume.

Vapour Pressure: Not available.

Relative Vapour Density at 20°C: Not available.

Relative Density (water = 1): Not available.

Solubility in Water: Soluble.

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

Viscosity: Not available.

Explosion Data - Sensitivity to Mechanical Impact: No.

Explosion Data - Sensitivity to Static Discharge: No.

Section 10: Stability and reactivity

Reactivity: Stable and non-reactive under normal conditions of use, storage and transport.

Chemical Stability: Stable.

Possibility of Hazardous Reactions: No decomposition under normal conditions.

Conditions to Avoid: Freezing conditions while in use.

Incompatible Materials: Strong Oxidizing Agents. Acids.

Hazardous Decomposition Products: There are no hazardous decomposition products known to form.

Section 11: Toxicological information

Information on Toxicological Effects—Product: Combination of all ingredients

Acute Toxicity: Low toxicity below 25 ppm

LD₅₀ Data (Species-Route): RABBIT - dermal: > 8,000 mg/kg

LD₅₀ Data (Species-Route): RAT - oral: > 3,915 mg/kg

LD₅₀ Data (Species-Route): MOUSE - oral: > 5,130 mg/kg

Skin Corrosion/Irritation: Repeated contact over long time leads to dermatitis.

Serious Eye Damage/Irritation: Draize test: RABBIT eye: 100 mg moderate irritation.

Respiratory or Skin Sensitization: Possible in some susceptible individuals.

Germ Cell Mutagenicity: No available evidence.

Teratogenicity: No available evidence.

Carcinogenicity: NTP: not anticipated.

Specific Target Organ Toxicity (Repeated Exposure): Testicular effects were noted in rats after repeated high dose oral and inhalation exposure..

Reproductive Toxicity: Adverse reproductive effects have been reported in animals.

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

Aspiration Toxicity Hazard: Not possible with ingredients in thick gel.

Symptoms/Injuries After Inhalation: Not observed with ingredients in thick gel.

Symptoms/Injuries After Skin Contact: Tissue irritation/redness may occur.

Symptoms/Injuries After Eye Contact: Stinging and irritation may occur.

Symptoms/Injuries After Ingestion: Gastrointestinal mucous membrane irritating burning sensation.

Information on Toxicological Effects—Ingredients

All ingredients synergistically defat skin.

Section 12: Ecological information

Toxicity: Low concentrations not harmful to aquatic organisms or demonstrating chronic toxicity: Gold orfe: LC50 4000 mg/L. None of the ingredients pose adverse environmental effects.

Mobility in Soil: Not expected to be mobile.

Other Adverse Effects

Other Information: VOC's (EPA method 24) Not established for gel.

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: To be determined for the intended process.

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.

Identification Number: Not applicable.

Hazard Class: 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.

CANADA: All ingredients are listed on the NDSL Non-Domestic Substance List.

USA: All ingredients listed on the TSCA inventory 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.