

Safety Data Sheet

Section 1: Product identification and use

Product Identifier:

TCI 106 H.D.

Process Identifier:

Water emulsifiable biodegradable cleaning solvent for heavy oils and grease impacted soils on automotive service garage floors

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

Flammable Liquids: Category 4

Aspiration Toxicant: Category 1

Pictograms



Signal Word

Warning

Hazard Statements

H227—Combustible liquid.

H304—May be fatal if swallowed and enters airways.

Precautionary Statements

P210—Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P264—Wash hands thoroughly with water after handling.

P280—Wear protective gloves, eye protection.

P301+P310—IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

P331—Do NOT induce vomiting

P370+P378—In case of fire: Use appropriate means to extinguish. See section 5.

P403+P235—Store in a well-ventilated place. Keep cool.

P405—Store locked up.

P501—Dispose of contents (see Section 13) Dispose containers to recycling bin in accordance with local regulations.

Section 3: Composition / information on ingredients

Hazardous Ingredients:

CHEMICAL NAME	CAS NUMBER	CONCENTRATION [%]
Naphtha (Petroleum), Hydrolated Heavy	64742-48-9	60-100

CAS NUMBER

64742-48-9

CONCENTRATION [%]

60-100

Section 4: First aid measures

Description of First Aid Measures

General: Low risk to adverse health effects.

Inhalation: Excessive exposure - move to 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, dizziness, nausea, or unconsciousness.

Skin Contact: Irritation caused by defatting of skin.

Eye Contact: Itching irritation, redness.

Ingestion: Burning sensation with gastrointestinal irritation.

Section 5: Fire-fighting measures

Extinguishing Media

Suitable Extinguishing Media: Water Fog, Foam, Dry Chemical, or Carbon Dioxide

Unsuitable Extinguishing Media: Solvent will float on water and spread the fire.

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 away from High Energy Ignition Sources. Solvent will 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 and particulate matter in smoke.2

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 indoor temperatures reach 30°C plus. Keep away from sources if ignition. Use Non-Sparking equipment. 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 indoor temperatures reach 30°C plus. Keep away from sources if ignition.

Environmental Precautions

Methods and Material for Containment and Cleaning Up

For Containment: Stop mobility with suitable oil absorbent.

Methods for Cleaning Up: Use Non-Sparking equipment. 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 when stored in non-sparking metal parts washers. 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 or degreasing parts

Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Provide sufficient air exchange in work rooms.

Storage Conditions: Only stored in parts washers away from sparks and excessive heat.

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 106 H.D. Non-Aqueous emulsifiable Biosolvent for concrete garage floors. This maintenance Cleaning Fluid is for cleaning all soil compositions impacted with oil and grease found on automotive service garage floors.

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

Section 8: Exposure controls / personal protection

Control Parameters

ACGIH TLV: 1,200 mg/m³ (RCP-TWA) Total Hydrocarbon vapor

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 hygiene and safety practices and procedures. Nitrile solvent resistant gloves should be selected and worn.

Section 9: Physical and chemical properties

Information on Basic Physical and Chemical Properties

Physical State: Liquid.

Appearance: Clear.

Odour: Faint.

Odour Threshold: No available.

pH: Neutral.

Relative Evaporation Rate (butylacetate=1): 0.03

Melting Point: Not applicable.

Freezing Point: Not applicable.

Boiling Point: 190°C-208°C

Flash Point: 62°C.

Auto-ignition Temperature: 332°C

Decomposition Temperature: Not determined.

Flammability (solid/gas): Not determined.

Lower Flammable Limit: 0.7% by volume

Upper Flammable Limit: 5.3% by volume

Vapour Pressure: 0.3 mmHg @ 20°C

Relative Vapour Density at 20°C: > 5.6 @ 758 mmHg

Relative Density (water = 1): 0.77

Solubility in Water: Negligible.

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

Viscosity: 2.3 centipoise

Explosion Data - Sensitivity to Mechanical Impact: No

Explosion Data - Sensitivity to Static Discharge: High Energy Ignition Sources.

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.

Hazardous Decomposition Products: Oxides of Carbon and particulate matter in smoke.

Section 11: Toxicological information

Information on Toxicological Effects—Product

Acute Toxicity: > 5,000mg/kg

LD₅₀ Data (Species-Route): RAT - oral: >5 g/kg RABBIT - dermal: >5 g/kg

LC₅₀ Data (Species-Route): RAT - inhalation: > 5.9 g/m³ over 4hrs

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

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

Respiratory or Skin Sensitization: Possible in some susceptible individuals.

Germ Cell Mutagenicity: Not expected to be a germ cell mutagen.

Teratogenicity: No available evidence.

Carcinogenicity: Not expected to cause cancer.

Specific Target Organ Toxicity (Repeated Exposure): Not expected to cause organ

damage from repeated exposure

Reproductive Toxicity: Not expected to be a reproductive toxin

Specific Target Organ Toxicity (Single Exposure): Not expected to cause organ damage.

Aspiration Toxicity Hazard: Chemical pneumonitis or pulmonary edema.

Symptoms/Injuries After Inhalation: No available evidence.

Symptoms/Injuries After Skin Contact: None

Symptoms/Injuries After Eye Contact: Itching/Redness

Symptoms/Injuries After Ingestion: Gastrointestinal irritation and diarrhea.

Information on Toxicological Effects—Ingredients

All ingredients synergistically defat skin.

Section 12: Ecological information

Toxicity: Not expected to be harmful to aquatic organisms or demonstrate chronic toxicity. 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) 770g/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: NOT-REGULATED

49 CFR (USA) DANGEROUS GOODS: REGULATED

IMDG (VESSEL) DANGEROUS GOODS: NOT-REGULATED

IATA (CARGO AIR) DANGEROUS GOODS: NOT-REGULATED

IMDG (PASSENGER AIR) DANGEROUS GOODS: NOT-REGULATED

EMERGENCY ASSISTANCE: CANADA Canutec 1-888-CANUTEC (1-888-226-8832)

Proper Shipping Name: NOT-REGULATED

Hazard Class:

Identification Number:

Packing Group:

Label/Placard Codes:

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: 2023-03-03

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.