

Safety Data Sheet

Section 1: Product identification and use

Product Identifier:

TCI 126 H.D.

Process Identifier: NON- VOC Semiconductive, non-foaming aqueous multi-metal liquid jet wash/ultra sonic cleaner degreaser concentrate

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 2A

Skin Irritation—Category 3

Pictograms



Signal Word

Warning

Hazard Statements

H316—Causes mild skin irritation.

H319—Causes serious eye irritation.

Precautionary Statements

P261—Avoid breathing mist or spray.

P264—Wash hands thoroughly after handling.

P280—Wear protective gloves, protective clothing and eye protection.

P305+P351+P338—IF IN EYES: Remove contact lenses. Rinse with cold water.

P312—If swallowed call POISON CENTER if you feel unwell.

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

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

Section 3: Composition / information on ingredients

Hazardous Ingredients:

CHEMICAL NAME

CAS NUMBER

CONCENTRATION [%]

Potassium Hydroxide

1310-58-3

1 - 5

Dipropylene glycol monomethyl ether

29911-28-2

15 - 40

Diethylene glycol monobutyl ether

112-34-5

15 - 40

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 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 and possible dizziness.

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 spray or Dry chemical.

Unsuitable Extinguishing Media: Not available.

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: Solvent soluble in water. Solvent will not float on water. Water reduces the spread of fire.

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 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 indoor temperatures reach 30°C plus.

Mop up small spills and dispose to sanitary sewer. No threat of large spills exist.

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.

Environmental Precautions

Methods and Material for Containment and Cleaning Up

For Containment: Stop mobility with oil absorbant.

Methods for Cleaning Up: Mop up small spills and dispose to sanitary sewer.

Product is only utilized in contained quantities. No threat of large spills exist.

Section 7: Handling and storage

Precautions for Safe Handling

Additional Hazards When Processed: None.

Hygiene Measures: Do not eat, drink or smoke while using this product.

Personal Protection Equipment required when cleaning equipment.

Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Provide sufficient air exchange in work areas.

Storage Conditions: Keep only in original containers away from excessive heat.

Special Rules on Packaging: Consult Manufacturer or Supplier.

Incompatible Materials: Long time exposure will affect Natural Rubber and most paint coatings. Short term and repeated exposure are safe on all water safe surfaces.

Specific End Use(s) TCI 126 H.D. NON-VOC Semi conductive, Non-Foaming Aqueous Multi-Metal Liquid Jet Wash/Ultra-sonic Degreaser Concentrate is a Non-Toxic Aqueous Solvent for the removal of contamination at 1-3% in hot water at 70°C in a cabinet jet washer for approximately 10-20 min or clean ultra-sonic for 2 - 5 minutes. See Product Application Sheet or Label QR for safe intended use.

Section 8: Exposure controls / personal protection

Control Parameters

ACGIH TLV: 100 ppm (SKIN) 24 mg/m³ (TWA) 8hrs

OSHA STEL: 150 ppm (SKIN)

Exposure Controls

Appropriate Engineering Controls: Adequate ventilation to meet exposure limits by removing the hazard from an inside or outside work environment.

Personal Protective Equipment:



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

Section 9: Physical and chemical properties

Information on Basic Physical and Chemical Properties

Physical State: Liquid.

Appearance: Viscous, clear as water.

Odour: Clean ethereal aroma.

Odour Threshold: 35 ppm

pH: 12.5

Relative Evaporation Rate (butyl acetate=1): 0.02

Melting Point: Not applicable.

Freezing Point: -68°C

Boiling Point: 195°C

Flash Point: 101°C Closed Cup ASTM D3828

Auto-ignition Temperature: 230°C

Decomposition Temperature: Not determined.

Flammability (solid/gas): Not determined.

Lower Flammable Limit: 0.6% by volume

Upper Flammable Limit: 20.4% by volume

Vapour Pressure: 0.04 mmHg @ 20°C

Relative Vapour Density at 20°C: > 5.1

Relative Density (water = 1): 0.95

Solubility in Water: Soluble.

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

Viscosity: 3.5 centipoise @ 25°C

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 Acids, Bases and Oxidizing Agents.

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

Section 11: Toxicological information

Information on Toxicological Effects - Product

Acute Toxicity: Not available.

LD₅₀ Data (Species-Route): (Rat - oral) 273 mg/kg.

LC₅₀ Data (Species-Route): Not available.

Skin Corrosion/Irritation: Minor skin drying effect.

Serious Eye Damage/Irritation: Minor 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: Slight irritation/dryness.

Symptoms/Injuries After Eye Contact: Itching/scaly sensation.

Symptoms/Injuries After Ingestion: Sore mouth and throat/skin burns.

Information on Toxicological Effects - Ingredients

Large doses can change the body's pH and electrolyte balance.

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) 0g/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: 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

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Date prepared: 2024-12-09

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.