

# Safety Data Sheet

## Section 1: Product identification and use

**Product Identifier:**

# TCI 4601 H.D.

**Process Identifier:**

## Super concentrated multi metal surface protective spray wax & sheathing agent

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

Skin Corrosion/Irritation: Category 3

Serious Eye Damage/Eye Irritation: Category 2B

**Pictograms**

None

**Signal Word**

WARNING

**Hazard Statements**

H227 Combustible liquid.

H316 Causes mild skin irritation.

H320 Causes eye irritation.

**Precautionary Statements**

P210 Keep away from heat and sources of ignition. No Smoking.

P264 Wash...thoroughly after handling.

P280 Wear protective gloves and eye protection.

P301+P310 IF SWALLOWED: Immediately call POISON CENTER or Doctor/Physician. Do NOT induce vomiting.

## Section 3: Composition / information on ingredients

**Hazardous Ingredients:**

**CHEMICAL NAME**  
Mineral Seal Oil  
Ethoxylated fatty acids

**CAS NUMBER**

64741-44-2  
68604-75-1

**CONCENTRATION [%]**

30 - 60  
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. Barrier to air exchange.

**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/possible dizziness. Barrier to air exchange.

**Skin Contact:** Mild skin irritation, no visible effects.

**Eye Contact:** Itching irritation, redness.

**Ingestion:** Gastrointestinal irritation, laxative.

## Section 5: Fire-fighting measures

**Extinguishing Media**

**Suitable Extinguishing Media:** Dry chemical.

**Unsuitable Extinguishing Media:** Solvent/oil 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/oil 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.

## 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 immersion tanks. See GHS WORKPLACE LABEL in your work area.

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

Personal Protection Equipment required in case of splashing when immersing or dripping when removing parts from tank.

**Conditions for Safe Storage, Including Any Incompatibilities**

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

**Storage Conditions:** Only stored in non-sparking containers 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)** TCI4601 H.D. is a Super Concentrated Multi Metal Surface Protective Spray Wax & Sheathing Agent for Trucks and Buses to be applied at a dilution rate of 1,000:1 with water.

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

## Section 8: Exposure controls / personal protection

### Control Parameters

ACGIH TLV (TWA) 5 mg/m<sup>3</sup> (TWA) (Total Hydrocarbon mist)  
OSHA PEL: 5 mg/m<sup>3</sup> (TWA) (Total Hydrocarbon mist)

### 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. Solvent resistant gloves should be selected and worn.

## Section 9: Physical and chemical properties

### Information on Basic Physical and Chemical Properties

**Physical State:** Thick liquid.  
**Appearance:** Clear amber.  
**Odour:** Clean oily/solvent smell.  
**Odour Threshold:** Not available.  
**pH:** Neutral.  
**Relative Evaporation Rate (butyl acetate=1):** 0.09  
**Melting Point:** Not applicable.  
**Freezing Point:** - 65°C  
**Boiling Point:** 195°C  
**Flash Point:** 61°C.  
**Auto-ignition Temperature:** 225°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:** 0.39 mmHg @ 20°C  
**Relative Vapour Density at 20°C:** > 5.6 @ 758 mmHg  
**Relative Density (water = 1):** 0.79  
**Solubility in Water:** Negligible.  
**Partition coefficient: n-octanol/water:** Not determined.  
**Viscosity:** 20 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 conditions.  
**Conditions to Avoid:** Excessive heat, flames and sparks.

**Incompatible Materials:** Strong Acids, 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  
**LD<sub>50</sub> Data (Species-Route):** RAT - oral: >5 g/kg RABBIT - dermal: >2 g/kg  
**LC<sub>50</sub> Data (Species-Route):** RAT - inhalation: > 9.5 g/m<sup>3</sup> over 4hrs  
**Skin Corrosion/Irritation:** Mild irritation.  
**Serious Eye Damage/Irritation:** May cause mild, short-lasting discomfort.  
**Respiratory or Skin Sensitization:** Not a sensitizer.  
**Germ Cell Mutagenicity:** No available evidence.  
**Teratogenicity:** No available evidence.  
**Carcinogenicity:** No available evidence.

**Specific Target Organ Toxicity (Repeated Exposure):** No available evidence.  
**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:** No available evidence.  
**Symptoms/Injuries After Skin Contact:** None  
**Symptoms/Injuries After Eye Contact:** Itching/Redness  
**Symptoms/Injuries After Ingestion:** Gastrointestinal irritation and diarrhoea.  
**Information on Toxicological Effects—Ingredients**  
No available evidence.

## 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) 569g/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

### LIMITED CONTAINER QUANTITY EXEMPTION: 5 L

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

### CONTAINER QUANTITIES EXCEEDING 5 L

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

**Proper Shipping Name:**  
**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:** 2023-02-28

**Additional information:** The information in this SDS has been obtained from sources believed to be reliable. The manufacturer and supplier provides no warranties ex-

press or implied and assumes no responsibility for the accuracy or the completeness of the data contained herein.