

# Safety Data Sheet

## Section 1: Product identification and use

**Product Identifier:**

# TCI 122 H.D.

**Process Identifier:**

## Virgin laquer thinner paint gun & feed line, ink & adhesive cleaning solvent

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

Aspiration Hazard—Category 1  
Flammable Liquids—Category 1  
Skin Sensitizer—Category 1B

### Pictograms



### Signal Word

Danger

### Hazard Statements

H224—Extremely flammable liquid and vapour.  
H304—May be fatal if swallowed and enters airways.  
H317—May cause an allergic skin reaction.

### Precautionary Statements

P210—Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No Smoking.  
P233—Keep container tightly closed.  
P240—Ground and bond container and receiving equipment.

P241—Use explosion-proof electrical transfer equipment as for fuel.  
P242—Use only non-sparking tools.  
P243—Take precautionary measures against static discharge.  
P261—Avoid breathing mist or spray.  
P264—Wash hands and contact surfaces thoroughly after handling.  
P272—Contaminated work clothing should not be allowed out of the workplace.  
P280—Wear protective gloves and eye protection.  
P301+P310—IF SWALLOWED: Immediately call a doctor at local hospital emergency department.  
P302+P352—IF ON SKIN: Wash with plenty of water.  
P303+P361+P353—IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with running water or shower.  
P305+P351+P338—IF IN EYES: Remove contact lenses. Rinse with cold water.  
P312—If swallowed call a doctor at local hospital emergency department if you feel unwell.  
P321—Specific treatment (treat as solvent).  
P331—Do NOT induce vomiting.  
P333+P313—If skin irritation or a rash occurs: Get medical advice or attention.  
P337+P313—If eye irritation persists get medical advice or attention.  
P362+P364—Take off contaminated clothing and wash it before reuse.  
P370+P378—In case of fire: Use water spray or dry chemical to extinguish.  
P403+P235—Store in a well ventilated place. Keep cool.  
P405—Store locked up.  
P501—Dispose of contents in accordance with local, regional, national and international government regulations. Return container to supplier for recycling.

## Section 3: Composition / information on ingredients

### Hazardous Ingredients:

CHEMICAL NAME	CAS NUMBER	CONCENTRATION [%]
Methanol	67-56-1	38-40
Acetone	67-64-1	30-40
Toluene	108-88-3	24-25

## Section 4: First aid measures

### Description of First Aid Measures

**General:** See GHS PPE displayed on Workplace Label.

**Inhalation:** Excessive exposure - move the fresh air.

**Skin Contact:** Wash with soap (waterless hand cleaner) and water.

**Eye Contact:** Remove contact lenses. Rinse with water or saline solution for 15 minutes.

**Ingestion:** Seek immediate medical attention. Do not induce vomiting.

### Most Important Symptoms and Effects Both Acute and Delayed

**General:** See GHS PPE displayed on Workplace Label.

**Inhalation:** Respiratory irritation and possible dizziness, nausea, weakness, headache, confusion.

**Skin Contact:** Irritation caused by defatting of skin. Treat severe redness with Biafine products.

**Eye Contact:** Itching irritation, persistent sand grain feeling, redness consult a physician.

**Ingestion:** Gastrointestinal irritation, Metallic taste, stomach or intestinal upset (vomiting, diarrhoea)

## Section 5: Fire-fighting measures

### Extinguishing Media

**Suitable Extinguishing Media:** Foam, carbon dioxide 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. Keep away from High

**Energy Ignition Sources.**

**Reactivity:** Stable under normal conditions.

**Advice for Firefighters**

**Precautionary Measures Fire:** Water spray may be ineffective and spread of fire.

**Firefighting Instructions:** Keep the container cool with water spray.

**Protection During Firefighting:** Wear self-contained breathing apparatus for firefighting.

**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 when product is used. Use Non-Sparking equipment. Large spills are not likely but should be contained and resultant waste properly classified prior to disposal (See Section 13).

**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 absorbent.

**Methods for Cleaning Up:** Use suitable oil absorbent. 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:** Do not store above 37.8 °C or 100 °F.  
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 spraying or brushing.**

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

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

**Storage Conditions:** Only stored in original containers with vented caps away from excessive heat and sources of ignition.

**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 122 H.D. is a Virgin Laquer Thinner Paint Gun & Feed Line, Ink & Adhesive Cleaning Solvent. Cleaning Solvents such as acetone are used for removing the uncured residues on application equipment.

See Product Application Sheet or Label QR for safe intended use.

## Section 8: Exposure controls / personal protection

### Control Parameters

ACGIH TLV: 20 ppm (8hrs) (TWA) in Ontario for Toluene

### Exposure Controls

**Appropriate Engineering Controls:** Supply adequate ventilation to meet exposure limits by removing the hazardous vapours from the work environment. If adequate ventilation is not available use NIOSH approved air purifying respirator with organic vapour cartridges or canister.

### 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:** Colourless and clear.

**Odour:** Aromatic, sweet, fruity aroma.

**Odour Threshold:** 0.14 ppm

**pH:** Neutral.

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

**Melting Point:** Not determined.

**Freezing Point:** Not determined.

**Boiling Point:** 56°C

**Flash Point:** -20°C

**Auto-ignition Temperature:** 407°C

**Decomposition Temperature:** Not determined.

**Flammability (solid/gas):** No data available.

**Lower Flammable Limit:** 1.27% by volume

**Upper Flammable Limit:** 36% by volume

**Vapour Pressure:** 4.5 mmHg @ 20°C

**Relative Vapour Density at 20°C:** 3.6

**Relative Density (water = 1):** 0.909

**Solubility in Water:** 0.05 g/L @ 20 °C for Toluene

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

**Viscosity:** No data available.

**Explosion Data - Sensitivity to Mechanical Impact:** No

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

**VOC content: (Regulatory - less water and exempt solvents)** 819 g/l.

**VOC content: (Material - Actual)** 518 g/l.

## Section 10: Stability and reactivity

**Reactivity:** Stable.

**Chemical Stability:** Stable under normal conditions.

**Possibility of Hazardous Reactions:** No decomposition under normal application conditions.

**Conditions to Avoid:** Excessive heat, flames and sparks.

**Incompatible Materials:** Strong Oxidizing Agents, peroxides and strong acids.

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

## Section 11: Toxicological information

### Information on Toxicological Effects—Product

**Acute Toxicity:** > 2,000mg/kg

**LD<sub>50</sub> Data (Species—Route):** RAT - oral: >5.8 g/kg RABBIT - dermal: > 20 g/kg

**LC<sub>50</sub> Data (Species—Route):** RAT - inhalation: > 20 ml or 5,000 ppm 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:** No available evidence.

**Teratogenicity:** No available evidence.

**Carcinogenicity:** Group B.

**Specific Target Organ Toxicity (Repeated Exposure):** Liver.

**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:** Light headedness, dizziness.

**Symptoms/Injuries After Skin Contact:** Dry skin lesions.

**Symptoms/Injuries After Eye Contact:** Itching/Redness

**Symptoms/Injuries After Ingestion:** Gastrointestinal irritation and diarrhoea.

**Information on Toxicological Effects—Ingredients**

All ingredients synergistically defat skin and lead to dermatitis complications.

## 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:**

## Section 13: Disposal considerations

### Waste Disposal Recommendations:

**Additional Information:** The cleaning process may generate a hazardous industrial waste. Comply with Canadian Ministry of Environment & Energy Regulation 347 and local municipal by-laws. Comply with US EPA's federal, state & local regula-

tions. 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:** REGULATED

**49 CFR (USA) DANGEROUS GOODS:** REGULATED

**IMDG (VESSEL) DANGEROUS GOODS:** REGULATED

**IATA (CARGO AIR) DANGEROUS GOODS:** REGULATED

**IMDG (PASSENGER AIR) DANGEROUS GOODS:** REGULATED

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



**Proper Shipping Name:** PAINT RELATED MATERIAL

**Hazard Class:** CLASS 3

**Identification Number:** UN1263

**Packing Group:** II

**Label/Placard Codes:** 3

## 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:** 2023-03-02

**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.