

# Safety Data Sheet

## Section 1: Product identification and use

**Product Identifier:**

# TCl 905 H.D.

**Process Identifier:**

**Cured plastisol ink spot cleaner (flammable/non-residual/fast drying 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**

Flammable Liquids: Category 3

Skin Corrosion/Irritation: Category 3

Serious Eye Damage/Eye Irritation: Category 2B

**Pictograms**



**Signal Word**

Warning

**Hazard Statements**

H226—Flammable liquid and vapour.

H302—Harmful if swallowed.

H316—Causes mild skin irritation.

H320—Causes eye irritation.

H332—Harmful if inhaled.

H336—May cause drowsiness or dizziness.

H412—Harmful to aquatic life with long lasting effects.

**Precautionary Statements**

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

P233—Keep container tightly closed.

P240—Ground/bond container and receiving equipment.

P241—Use explosion-proof electrical handling equipment same as fuel pumps.

P242—Use only non-sparking tools.

P243—Take precautionary measures against static discharge.

P264—Wash hands and contact surfaces thoroughly after handling.

P280—Wear protective gloves, eye protection.

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.

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

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

P370+P378—In case of fire: Use water spray or dry chemical to extinguish.

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

P501—Dispose of contents with water rinse to sewer. Dispose container to plastic recycling facility in accordance with local or regional or national/international regulation.

## Section 3: Composition / information on ingredients

**Hazardous Ingredients:**

**CHEMICAL NAME**

**Trans-1,2-dichloroethylene**

**CAS NUMBER**

**156-60-5**

**CONCENTRATION [%]**

**60 -100**

## Section 4: First aid measures

**Description of First Aid Measures**

**General:** Follow general guidelines in Section 2.

**Inhalation:** Excessive exposure - move the fresh air. Apply CPR if not breathing.

**Skin Contact:** Remove contaminated clothing. 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:** Assess the degree of exposure. Assess responders risk and protection.

**Inhalation:** Respiratory irritation and possible dizziness.

**Skin Contact:** Irritation caused by defatting of skin.

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

**Ingestion:** Drying sensation with gastrointestinal irritation.

## Section 5: Fire-fighting measures

**Extinguishing Media**

**Suitable Extinguishing Media:** Water spray, Dry chemical powder, Carbon dioxide, Polymer foam.

**Unsuitable Extinguishing Media:** Solvent will sink to the bottom of water.

**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. Do not weld, torch or cut drums containing residual vapors. Vapors may be in the flammable range and an explosion may occur.

**Reactivity:** Stable under normal conditions.

**Advice for Firefighters**

**Precautionary Measures Fire:** Keep away from High Energy Ignition Sources. Solvent is water soluble. Release of liquid will travel along the floor to a source for ignition.

**Firefighting Instructions:** Keep the container cool.

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

**Hazardous Combustion Products:** Oxides of Carbon, hydrogen halide, bromides.

## Section 6: Accidental release measures

**Personal Precautions, Protective Equipment and Emergency Procedures**

**General Measures:** Highly volatile. Vapors are heavier than air and settle in pits. Evacuate people in immediate area to the outdoors. Ventilate area: all windows and doors open until smell is gone.

**For Non-Emergency Personnel**

**Protective Equipment:** Non-slip footwear, safety glasses, NIOSH approved Organic Vapour Respirator and impervious protective gloves for splash protection: Viton or polyvinyl alcohol gloves.

**Emergency Procedures:** Evacuate and ventilate area. Stop mobility using suitable oil absorbing materials for small spills. Large spills are not likely in this dedicated application.

**Phone Number of your local authority for Emergency Spill Response:**

**For Emergency Personnel**

**Protective Equipment:** Non-slip footwear, safety glasses, NIOSH approved Organic Vapour Respirator and impervious protective gloves for splash protection: Nitrile, Neoprene or Butyl Gloves.

**Emergency Procedures:** Evacuate and ventilate area. Stop mobility using suitable oil absorbing materials for small spills. Large spills are not likely in this dedicated application.

**Environmental Precautions**

**Methods and Material for Containment and Cleaning Up**

**For Containment:** Stop mobility with enclosed steel containers.

**Methods for Cleaning Up:** 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:** See GHS WORKPLACE LABEL in your work area. Keep container closed when not in use.

**Hygiene Measures:** Personal Protection Equipment required when cleaning.

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

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

**Storage Conditions:** Only stored in well ventilated area away from excessive heat, sparks and open flame.

**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)** TCl 905 H.D. CURED PLASTISOL INK Spot Cleaner (Flammable/Non-Residual/Fast Drying Solvent) and is used in a TARGET TG300 GUN with a maintenance free, quiet, large reservoir, high power stream adjustable nozzle - direct the solvent to the target until marks, stains or mistakes are gone. Leave garment on the vacuum arm to extract the remaining solvent. There is NO solvent retention in the garment.

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

## Section 8: Exposure controls / personal protection

### Control Parameters

ACGIH TLV: 0.1 - 0.2% by weight (1 - 2 mg/L) or 1,000 - 2,000 ppm

OSHA PEL: Not Established.

### Exposure Controls

**Appropriate Engineering Controls:** Adequate ventilation to meet exposure limits by removing the hazard from the work environment.

**Respiratory protection:** Use a NIOSH/MSHA full face respirator with organic vapour cartridge when the airborne concentration is less than 1000ppm

### Personal Protective Equipment:



**Other Information:** Handle in accordance with good workplace hygiene and safety practices and procedures. For solvent contact protection selected and wear Viton or polyvinyl alcohol gloves.

## Section 9: Physical and chemical properties

### Information on Basic Physical and Chemical Properties

**Physical State:** Liquid.

**Appearance:** Clear as water.

**Odour:** Sweet odour.

**Odour Threshold:** 0.08 ppm.

**pH:** Neutral.

**Relative Evaporation Rate (butyl acetate=1):** > 4.7

**Melting Point:** No available.

**Freezing Point:** -50°C

**Boiling Point:** 48°C

**Flash Point:** < 2°C

**Auto-ignition Temperature:** > 460°C

**Decomposition Temperature:** Not determined.

**Flammability (solid/gas):** Not determined.

**Lower Flammable Limit:** 9 % by volume.

**Upper Flammable Limit:** 16.5 % by volume.

**Vapour Pressure:** 250 mmHg @ 25°C

**Relative Vapour Density at 20°C:** > 3.67 @ 760 mmHg

**Relative Density (water = 1):** 1.257

**Solubility in Water:** Negligible.

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

**Viscosity:** 1 centipoise.

**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 Oxidizing Agents, Alkalies and Natural Rubber.

**Hazardous Decomposition Products:** Oxides of Carbon and Hydrogen Bromide Acid Vapours.

## Section 11: Toxicological information

### Information on Toxicological Effects—Product

**Acute Toxicity:** No toxicity below 500 ppm

**LD<sub>50</sub> Data (Species-Route):** RAT - oral: > 5 g/kg

**LC<sub>50</sub> Data (Species-Route):** RAT - inhalation: > 3K ppm 8 hr.

**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:** NTP: not listed, IARC: not listed.

**Specific Target Organ Toxicity (Repeated Exposure):** Central Nervous System,

Respiratory System, Kidney and 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:** Headache, dizziness, nausea, vomiting or narcosis. Irritating to the respiratory tract.

**Symptoms/Injuries After Skin Contact:** None

**Symptoms/Injuries After Eye Contact:** Itching/Redness may occur.

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

**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 hydrolysed. No biological accumulation.

### Other Adverse Effects

**Other Information:** VOC's (EPA method 24) 0 g/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:** 241 H

## Section 14: Transport information

TDGA CANADA - DANGEROUS GOODS: **REGULATED**

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

IMDG (VESSEL) DANGEROUS GOODS: **REGULATED 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:** UN1150, 1,2 DICHLOROETHYLENE, Hazard Class: 3

**Identification Number:** UN1150

**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:** 2023-03-01

**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.