

Safety Data Sheet

Section 1: Product identification and use

Product Identifier:

TCI 1240-5 H.D.

Process Identifier:

Silk screen photo-emulsion stripper (ready to use-spray application)

24 HOUR EMERGENCY ASSISTANCE: 519-485-4370

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 — Fax: 855-762-4446

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 — Fax: 855-762-4446

Section 2: Hazard identification

GHS Classification

Skin Corrosion/Irritation: Category 3

Eye Damage/Irritation: Category 2/2A

Pictograms



Signal Word

WARNING

Hazard Statements

H316 Causes mild skin irritation.

H319 Causes serious eye irritation.

Precautionary Statements

P264 Wash...thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do so. Continue rinsing.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do not induce vomiting.

P302+P352 IF ON SKIN: Wash with plenty of water.

Section 3: Composition / information on ingredients

Hazardous Ingredients:

CHEMICAL NAME

Sodium metaperiodate

CAS NUMBER

7790-28-5

CONCENTRATION [%]

3-7

Section 4: First aid measures

Description of First Aid Measures

General: Determine areas of exposure.

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: Rinse mouth with water. Immediately drink large quantities of water. Seek immediate medical attention.

Most Important Symptoms and Effects Both Acute and Delayed

General: Low risk to adverse health effects.

Inhalation: Respiratory irritation or sore throat.

Skin Contact: Mild skin irritation.

Eye Contact: Mild eye irritation.

Ingestion: Mild irritation. Seek medical attention.

Section 5: Fire-fighting measures

Extinguishing Media

Suitable Extinguishing Media: Evaluate based on surrounding fire.

Unsuitable Extinguishing Media: Evaluate based on surrounding fire.

Special Hazards Arising From the Substance or Mixture

Fire Hazard: No risk.

Explosion Hazard: No risk.

Reactivity: No risk.

Advice for Firefighters

Precautionary Measures Fire: Evaluate based on surrounding fire.

Firefighting Instructions: Evaluate based on surrounding fire.

Protection During Firefighting: Evaluate based on surrounding fire.

Hazardous Combustion Products: Oxides of Carbon, Iodic Acid Vapors.

Section 6: Accidental release measures

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Wear impervious splash protection. Neutralize with copious amounts of water and Potassium Thioglycolate solution.

If contaminated, contain the spill and collect in plastic containers.

For Non-Emergency Personnel

Protective Equipment: Wear impervious splash protection.

Emergency Procedures: Neutralize with copious amounts of water.

Phone Number of your local authority for Emergency Spill Response:

For Emergency Personnel

Protective Equipment: Wear impervious splash protection.

Emergency Procedures: Neutralize with copious amounts of water and Potassium Thioglycolate solution.

Environmental Precautions

Methods and Material for Containment and Cleaning Up

For Containment: Plastic construction.

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

Section 7: Handling and storage

Precautions for Safe Handling

Additional Hazards When Processed: Use only Manufacturer supplied storage and/or dispensing equipment. See GHS WORKPLACE LABEL in your work area.

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

Personal Protection Equipment required for cleaning process.

Conditions for Safe Storage, Including Any Incompatibilities

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

Storage Conditions: Keep only in original containers.

Incompatible Materials: Do not mix with other cleaners.

Special Rules on Packaging: Consult Manufacturer or Supplier.

Specific End Use(s) TCI 1240-5 H.D. Silk Screen Photo Emulsion Stripper (Ready to Use Spray Application). This fast penetrating aqueous cleaner is designed to be used as is and pre-sprayed on the cured photo emulsion of silk screens - agitated with a soft brush and removed with 2.1 gpm and 1,000 psi high pressure water.

See Product Application Sheet for safe intended use.

Section 8: Exposure controls / personal protection

Control Parameters
ACGIH TLV: **Not Established**
OSHA PEL: **Not Established**

Exposure Controls

Appropriate Engineering Controls: Adequate ventilation to meet exposure limits by removing the hazard from an inside or outside work environment. The chemical constituents of the cleaning solution do not evaporate but can be atomized by spraying or misting.

Personal Protective Equipment:



Other Information: Oxidizer resistant GLOVES are always required. In confined wash areas with minimal ventilation the use of NIOSH approved respirators and splash protection for mist when rinsing screens and parts are NOT required.

Section 9: Physical and chemical properties

Information on Basic Physical and Chemical Properties

Physical State: **Liquid.**
Appearance: **Clear with amber tint.**
Odour: **Detergent.**
Odour Threshold: **Not available.**
pH: **Not available.**
Relative Evaporation Rate (butylacetate=1): **0.3**
Melting Point: **Not applicable.**
Freezing Point: **0°C**
Boiling Point: **100°C.**
Flash Point: **Not applicable.**
Auto-ignition Temperature: **Not applicable.**

Decomposition Temperature: **Not applicable.**
Flammability (solid/gas): **Not applicable.**
Lower Flammable Limit: **Not applicable.**
Upper Flammable Limit: **Not applicable.**
Vapour Pressure: **Not applicable.**
Relative Vapour Density at 20°C: **Not applicable.**
Relative Density (water=1): **1.01**
Solubility in Water: **Complete**
Partition coefficient: n-octanol/water: **Not applicable.**
Viscosity: **1 centipoise @ 20°C.**
Explosion Data - Sensitivity to Mechanical Impact: **Not applicable.**
Explosion Data - Sensitivity to Static Discharge: **Not applicable.**

Section 10: Stability and reactivity

Reactivity: **Stable.**
Chemical Stability: **Stable.**
Possibility of Hazardous Reactions: **None when used as directed.**

Conditions to Avoid: **Strong reducing agents.**
Incompatible Materials: **None when used as directed.**
Hazardous Decomposition Products: **None when used as directed.**

Section 11: Toxicological information

Information on Toxicological Effects - Product

Acute Toxicity: **Not available.**
LD₅₀ Data (Species-Route): **Not available.**
LC₅₀ Data (Species-Route): **Not available.**
Skin Corrosion/Irritation: **Mild irritant**
Serious Eye Damage/Irritation: **Mild corneal irritant.**
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 tingling irritation.**
Symptoms/Injuries After Eye Contact: **Itching/Tearing Redness irritation.**
Symptoms/Injuries After Ingestion: **Irritation/tingling sensation.**
Information on Toxicological Effects - Ingredients

Section 12: Ecological information

Toxicity: **Not applicable when used as directed.**
Mobility in Soil: **Neutralizes and turns to salt in soil. Detergents are biodegradable.**

Other Adverse Effects
Other Information: **No unusual adverse effects encountered.**

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: **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**
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Date prepared: **2018-04-26**

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