

Safety Data Sheet

Section 1: Product identification and use

Product Identifier:

TCI 230 H.D.

Process Identifier:

Daily drive-thru arch pre-soak wash application for tractor & trailer cement dust removal (concentrate)

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

Eye Irritation: Category 2A

Pictograms



Signal Word

Warning

Hazard Statements

H319—Causes serious eye irritation.

Precautionary Statements

P264—Wash eyes thoroughly after handling.

P280—Wear protective gloves and eye protection.

P305+P351+P338—IF IN EYES: Remove contact lenses. Rinse cautiously with water for several minutes or irrigate with saline solution.

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

Section 3: Composition / information on ingredients

Hazardous Ingredients:

CHEMICAL NAME

CAS NUMBER

CONCENTRATION [%]

2-Hydroxy-1,2,3-propanetricarboxylic Acid

77-92-9

50-60

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 or neutralize with baking soda solution.

Eye Contact: Remove contact lenses. Rinse with cold water or saline solution.

Ingestion: If victim is conscious administer antacid in liquid or tablet form. 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: Mist or spray of concentrate may cause respiratory irritation or sore throat.

Skin Contact: Mild irritation.

Eye Contact: The acid solution can travel to the back of the eye ball and corrode the optic nerve if sprayed directly into the eyes. The delayed effect symptoms are a scaly rash for 3-4 days when blinking. Seek medical attention.

Ingestion: Burning sensation just like acid reflux. 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: Corrosive acid vapours at high temperatures.

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, Acid vapours.

Section 6: Accidental release measures

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Wear impervious splash protection. If spill occurs, flush to ground or sanitary sewers.

For Non-Emergency Personnel

Protective Equipment: Wear impervious splash protection.

Emergency Procedures: Neutralize with copious amounts of water or alkaline solutions and flush to sanitary sewers. For large spills use containment and dike.

Phone Number of your local authority for Emergency Spill Response:

For Emergency Personnel

Protective Equipment: Not required.

Emergency Procedures: Neutralize with copious amounts of water or alkaline solutions and flush to ground or sanitary sewers.

Environmental Precautions

Methods and Material for Containment and Cleaning Up

For Containment: Water absorbent pads.

Methods for Cleaning Up: Mop up small spills and dispose to ground or 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 when cleaning aluminum articles on equipment.

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 230 H.D. Drive-Thru Arch Pre-Soak for Transportation Equipment such as Buses and Tractor Trailers for road film removal. It is intended to help retain the surface shine of glass, paint and aluminum in original condition. The concentrate is pre-mixed at 100-1000:1 with water before being applied.

Consult Product Application Sheet or label QR for safe intended use.

Section 8: Exposure controls / personal protection

Control Parameters

ACGIH TLV: **Not available.**

OSHA PEL: **Not available.**

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: Acid resistant GLOVES are not always required to prevent unsuspected and prolonged acid solution pooling. In confined wash bays with minimal ventilation use NIOSH approved respirators for acid mist.

Section 9: Physical and chemical properties

Information on Basic Physical and Chemical Properties

Physical State: Liquid.

Appearance: Clear, colourless.

Odour: Slightly acidic.

Odour Threshold: Not available.

pH: 2.3

Relative Evaporation Rate (butyl acetate=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): 1.2

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: None when used as directed.

Chemical Stability: Stable.

Possibility of Hazardous Reactions: None when used as directed.

Conditions to Avoid: Chlorine or bleach.

Incompatible Materials: Strong alkalis.

Hazardous Decomposition Products: Not anticipated.

Section 11: Toxicological information

Information on Toxicological Effects - Product

Acute Toxicity: Not available.

LD₅₀ Data (Species-Route): 10 g/kg(Rat - oral).

LC₅₀ Data (Species-Route): Not available.

Skin Corrosion/Irritation: Not suspected.

Serious Eye Damage/Irritation: Corneal Stinging.

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/burning sensation.

Symptoms/Injuries After Skin Contact: Not anticipated.

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

Symptoms/Injuries After Ingestion: Not anticipated.

Information on Toxicological Effects - Ingredients

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

Section 12: Ecological information

Toxicity: Not applicable when used as directed.

Mobility in Soil: Neutralizes and binds to 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: 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: 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.