

Safety Data Sheet

Section 1: Product identification and use

Product Identifier:

TCI 1222 H.D.

Process Identifier:

FG chlorinated caustic spray wash cleaning/degreasing compound – CFIA registered – “For Food Plant Use”

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

Corrosive To Metals: Category 1

Skin Corrosion: Category 1A

Eye Irritation: Category 2A

Pictograms



Signal Word

DANGER

Hazard Statements

H290—May be corrosive to metal.

H302—Harmful if swallowed.

H314—Causes severe skin burns and eye damage.

H319—Causes serious eye irritation.

Precautionary Statements

P234—Keep only in original container.

P260—Do not breathe mist or spray.

P264—Wash hands and/or gloves thoroughly after handling.

P280—Wear protective gloves, protective clothing, eye protection and face protection.

P301+P312—IF SWALLOWED: Go to the hospital emergency immediately take SDS.

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

P303+P361+P353—IF ON SKIN (or hair): Remove all contaminated clothing immediately. Rinse skin with plenty of water or use shower if available for 30 minutes.

P304+P340—IF INHALED: Go to the hospital emergency immediately take SDS. Remove person to fresh air and keep comfortable for breathing.

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.

P310—Go to the hospital emergency immediately take SDS.

P321—Specific treatment First Aid: Always have a 5% Vinegar solution on hand for immediate application to the affected areas (see SDS).

P337+P313—If eye irritation persists get medical advice/attention.

P363—Wash contaminated clothing before reuse.

P390—Absorb spillage to prevent material damage.

P405—Store locked up.

P406—Store in a corrosive resistant HDPE container.

P501—Dispose of contents/container per SECTION 12 in accordance with local/regional/national/international regulations as specified.

Section 3: Composition / information on ingredients

Hazardous Ingredients:

CHEMICAL NAME

Sodium Hydroxide

Sodium Carbonate

Sodium Dichloro-S-Triazinetrione Dihydrate

CAS NUMBER

1310-73-2

497-19-8

87-90-1

CONCENTRATION [%]

30-60

7-13

1-5

Section 4: First aid measures

Description of First Aid Measures

General: Determine areas of exposure.

Inhalation: Minimal risk of exposure.

Skin Contact: Wash with cold water or neutralize with vinegar solution.

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

Chlorine is extremely harmful to the eye. Could cause Blindness.

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 or sore throat.

Skin Contact: Mild irritation.

Eye Contact: The alkali 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: None.

Explosion Hazard: No risk.

Reactivity: No risk.

Advice for Firefighters

Precautionary Measures Fire: Evaluate based on surrounding fire.

Firefighting Instructions: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Protection During Firefighting: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Hazardous Combustion Products: Caustic and Chlorine vapours.

Section 6: Accidental release measures

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Wear impervious splash protection.

For Non-Emergency Personnel

Protective Equipment: Wear impervious splash protection.

Emergency Procedures: Mop up small spills with water and/or scoop up powder with plastics utensils. Large spills should be contained and reported immediately.

Phone Number of your local authority for Emergency Spill Response:

For Emergency Personnel

Protective Equipment: Wear impervious splash protection.

Emergency Procedures: Neutralize small spills with copious amounts of water and flush to sanitary sewers if the pH is below 8.5 and above 5.5.

Environmental Precautions

Methods and Material for Containment and Cleaning Up

For Containment: As a precaution use secondary containment if accidental leaks could happen on Industrial Bulk Containers or dispensing equipment from same.

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 is required at all times 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 1222 H.D. "For Food Plant Use" Food Grade Chlorinated Caustic Spray Wash Cleaning/Degreasing Compound - CFIA Registered. It is intended for Bulk STAINLESS STEEL Transport Tanker Wash-Out Facilities carrying Food Products. Scan Label QR for Product Application Sheet and SDS for safe intended use.

Section 8: Exposure controls / personal protection

Control Parameters

ACGIH TLV: **15 mg/m³ (TWA) 175 ppm (SKIN 5 mg/m³ (INHALATION))**
OSHA PEL: **15 mg/m³ (TWA) 175 ppm (SKIN) 5 mg/m³ (INHALATION)**

Exposure Controls

Appropriate Engineering Controls: This powder is dusty. Handle with caution. Provide adequate ventilation to meet exposure limits by removing the hazard from an inside or outside work environment.

Personal Protective Equipment:



Other Information: Safety Glasses are always required while handling and dispensing to reservoir tank. Alkali resistant GLOVES are always required. Dust mask recommended to suit.

Section 9: Physical and chemical properties

Information on Basic Physical and Chemical Properties

Physical State: Solid.

Appearance: White granular powder.

Odour: Chlorine

Odour Threshold: Not available.

pH: 12 (1% solution in water)

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

Melting Point: Not applicable.

Freezing Point: Not applicable.

Boiling Point: Not applicable.

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): Not applicable.

Solubility in Water: Complete

Partition coefficient: n-octanol/water: Not applicable.

Viscosity: Not applicable.

Explosion Data - Sensitivity to Mechanical Impact: Not applicable.

Explosion Data - Sensitivity to Static Discharge: Not applicable.

Section 10: Stability and reactivity

Reactivity: Reacts violently with strong acids forming steam under water.

Chemical Stability: Stable.

Possibility of Hazardous Reactions: None when used as directed.

Conditions to Avoid: None when used as directed.

Incompatible Materials: Strong acids, prolonged contact with aluminum, brass, bronze, copper, lead, tin, zinc or other alkali sensitive metals.

Hazardous Decomposition Products: Hydrogen release from above metals.

Chlorine Gas liberated at acid pH.

Section 11: Toxicological information

Information on Toxicological Effects - Product

Acute Toxicity: 1,516 mg/kg.

LD₅₀ Data (Species-Route): 273 mg/kg(Rat - oral).

LC₅₀ Data (Species-Route): Not available.

Skin Corrosion/Irritation: Severe irritant: Human/Rabbit 50 mg/24hrs

Serious Eye Damage/Irritation: Moderate corneal injury: Rabbit 1 mg/24hrs

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: Slight irritation/redness observation.

Symptoms/Injuries After Eye Contact: Extremely Corrosive with corneal damage.

Symptoms/Injuries After Ingestion: Sore throat/burns.

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 in a controlled wash facility.

Mobility in Soil: Neutralizes and binds to soil.

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: 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: CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.

Hazard Class: 8

Identification Number: UN3262

Packing Group: II

Label /Placard Codes: 8

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: 2023-02-28

Additional information: The information in this SDS has been obtained from sources believed to be reliable. The manufacturer and supplier provides no warranties express or implied and assumes no responsibility for the accuracy or the completeness of the data contained herein.