

Safety Data Sheet

Section 1: Product identification and use

Product Identifier:

TCI 200 H.D.

Process Identifier:

Temporary rust preventative for hot aqueous immersion (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

Skin Corrosion/Irritation: Category 2

Serious Eye Damage/Eye Irritation: Category 1

Pictograms



Signal Word

Danger

Hazard Statements

H315—Causes skin irritation.

H318—Causes serious eye damage.

Precautionary Statements

P264—Wash thoroughly with soap and water after handling.

P270—Do not eat, drink or smoke with this product.

P280—Wear protective gloves and eye protection.

P310—Immediately call the hospital emergency department doctor.

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 soap and water

P321—Specific treatment (consult hospital emergency department doctor).

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

P362+P364—Take off contaminated clothing and wash it before reuse.

Section 3: Composition / information on ingredients

Hazardous Ingredients:

CHEMICAL NAME

CAS NUMBER

CONCENTRATION [%]

2-Aminoethanol

141-43-5

30 - 60

Section 4: First aid measures

Description of First Aid Measures

General: Low risk to adverse health effects.

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: 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.

Skin Contact: Irritation caused by defatting of skin.

Eye Contact: Itching irritation, redness.

Ingestion: Burning sensation with gastrointestinal irritation. Decontaminate.

Section 5: Fire-fighting measures

Extinguishing Media

Suitable Extinguishing Media: Dry chemical, Water Spray.

Unsuitable Extinguishing Media:

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.

Reactivity: Stable under normal conditions.

Advice for Firefighters

Precautionary Measures Fire: Possible release of Oxides of Carbon, Nitrogen and ammonia.

Firefighting Instructions: Keep the container cool.

Protection During Firefighting: Wear self-contained breathing apparatus for fire-fighting if necessary.

Hazardous Combustion Products: Oxides of Carbon, Nitrogen, Ammonia 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 indoors. Stop mobility using suitable water/oil absorbing materials for small spills.

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.

Environmental Precautions

Methods and Material for Containment and Cleaning Up

For Containment: Stop mobility with suitable oil/water absorbant.

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: None when stored in original container.

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 splash protection when dipping parts.

Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Provide sufficient air exchange in work rooms.

Storage Conditions: Only stored in original containers away from excessive heat.

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 200 H.D. Temporary Rust Preventative for Hot Aqueous Immersion. This product is for cleaned FERROUS METAL parts that need temporary protection during the repair and maintenance process.

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

Section 8: Exposure controls / personal protection

Control Parameters

ACGIH TLV (TWA) **Not determined.**

Exposure Controls

Appropriate Engineering Controls: **Adequate ventilation by removing the hazard from the work environment.**

Personal Protective Equipment:



Other Information: **Handle in accordance with good hygiene and safety practices and procedures. Solvent resistant neoprene gloves should be selected and worn.**

Section 9: Physical and chemical properties

Information on Basic Physical and Chemical Properties

Physical State: **Liquid.**

Appearance: **Clear as water.**

Odour: **Slight ammonia smell.**

Odour Threshold: **Not available.**

pH: **12.**

Relative Evaporation Rate (butyl acetate=1): **< 0.3**

Melting Point: **Not applicable.**

Freezing Point: **0°C**

Boiling Point: **107°C**

Flash Point: **> 95°C.**

Auto-ignition Temperature: **> 424°C**

Decomposition Temperature: **Not determined.**

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

Lower Flammable Limit: **3.4 % by volume**

Upper Flammable Limit: **Not determined.**

Vapour Pressure: **0.38 mmHg @ 20°C**

Relative Vapour Density at 20°C: **Not determined.**

Relative Density (water = 1): **1.01**

Solubility in Water: **Complete.**

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

Viscosity: **2.57 centipoise**

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

Explosion Data - Sensitivity to Static Discharge: **Not readily ignited.**

Section 10: Stability and reactivity

Reactivity: **Stable.**

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

Possibility of Hazardous Reactions: **No decomposition under normal immersion conditions. Strong Oxidizing Agents.**

Conditions to Avoid: **Hot water splashes.**

Incompatible Materials: **Acids, Strong Oxidizing Agents.**

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

Section 11: Toxicological information

Information on Toxicological Effects—Product

Acute Toxicity: **Moderate.**

LD₅₀ Data (Species-Route): **RAT - oral: >1.5 g/kg**

LC₅₀ Data (Species-Route): **RAT - inhalation: >1.5 g/L**

Skin Corrosion/Irritation: **Moderately corrosive.**

Serious Eye Damage/Irritation: **May cause severe damage to eyes.**

Respiratory or Skin Sensitization: **No sensitization effect.**

Germ Cell Mutagenicity: **Not mutagenic.**

Teratogenicity: **No malformations.**

Carcinogenicity: **Not carcinogenic.**

Specific Target Organ Toxicity (Repeated Exposure): **No available evidence.**

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: **No available evidence.**

Symptoms/Injuries After Skin Contact: **Irritation/Redness.**

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

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

Information on Toxicological Effects—Ingredients

Inhalation of saturated vapor-air mixtures represents no acute hazard.

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: **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: 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 LIQUID, BASIC, ORGANIC, N.O.S., (2-Aminoethanol),**

Hazard Class: **8**

Identification Number: **UN3267**

Packing Group: **III**

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**

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.**