



GLENGARRY CHEMICALS LTD.

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MATERIAL SAFETY DATA SHEET

Emergency Telephone Numbers:

CANUTEC: 1-613-996-6666
POISON CONTROL CENTRE: 1-800-268-9017

W.H.M.I.S. CLASSIFICATION: E

SECTION I PRODUCT INFORMATION

Product Name : CLN-2000
Product Use : Iron Oxide Cleaner
Chemical Family : Mixture
Chemical Formula : Mixture

SECTION II HAZARDOUS INGREDIENTS

COMPONENTS	Wt / Wt %	LD ₅₀ Oral-rat	HAZARD	CAS NO.
Sodium Sulphite	1 to 10	3560 mg/kg	Irritant	7757-83-7
1-Hydroxyethylidene-1,1-diphosphonic acid	1 to 10	2400 mg/Kg	Slightly Toxic	2809-21-4
Aminotri(methylenephosphonic acid), sodium salt	1 to 10	2100 mg/Kg	Slightly Toxic	6419-19-8
Sodium Hydroxide	1 to 10	N/Av	Corrosive	1310-73-2

SECTION III PHYSICAL STATE

Appearance and Physical State : Clear Straw coloured Liquid
Odour : Mild sulphur dioxide odour Boiling Point (°C) : > 100
Specific Gravity (water = 1) : 1.20 - 1.25 Freezing Point (°C) : < 0
Vapour Pressure (mm Hg) : Not Available % Volatile (by weight) : > 60 (as Water)
Vapour Density (air = 1) : Not Available pH Product : 4.5 - 6.0
Evaporation Rate : Not Available pH 1% Solution :
Solubility in Water : Miscible Coefficient of Water/Oil Distribution : Not Available

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flammability: Non-Flammable
Upper Explosive Limit : Not Applicable Lower Explosive Limit : Not Applicable
Flash Point : Not Applicable
Means of Extinction: Appropriate for surrounding materials.
Special Procedures : Self contained breathing apparatus and protective clothing should be worn in fighting all fires involving chemicals.

SECTION V HEALTH HAZARD DATA

A - EFFECTS OF ACUTE OVEREXPOSURE

EYES: Causes irritation, redness and pain. May cause corneal damage and conjunctivitis.
SKIN: May cause irritation.
INHALATION: Mists and vapours are irritating to the nose, throat and respiratory tract.
INGESTION: Product may cause irritation of the mouth, throat, and stomach. May cause abdominal discomfort, nausea, vomiting and diarrhea.

B - EFFECTS OF CHRONIC OVEREXPOSURE

Prolonged or repeated skin contact to corrosive materials may cause dermatitis.

SECTION VI EMERGENCY AND FIRST AID

- EYES:** Wash with copious amount of cold water for at least 20 minutes keeping eyelids open. If irritation persists, repeat flushing. Obtain medical attention immediately.
- SKIN:** Immediately wash the affected areas with plenty of water. If irritation, redness or burning sensation develops obtain medical advice.
- INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
- INGESTION:** Do not attempt to give anything by mouth to an unconscious person. If person is alert and not convulsing rinse mouth out and give 1-2 glasses of water to dilute material and seek medical attention immediately. Do not induce vomiting.

SECTION VII TOXICOLOGICAL DATA

- Exposure Limits:** None Established for this material
- Carcinogenicity:** The ingredients of this product are not classified as carcinogens by ACGIH or IARC, not regulated as carcinogen by OSHA, and not listed as carcinogen by NTP.
- Reproductive Effects:** No information is available.
- Mutagenic Effects:** No information is available.
- Teratogenic Effects:** No information is available.
- Sensitization:** No information is available.
- Routes of Entry:** Ingestion, Inhalation, Skin and eye absorption.

SECTION VIII SPILL OR LEAK PROCEDURES

Steps To Be Taken In Case Material Is Spilled Or Released:

Wear protective equipment. Contain the spill and soak up with an absorbent material. Collect for disposal.

Disposal Procedures:

Follow your local, provincial, and federal government chemical disposal regulations.

SECTION IX PROTECTION INFORMATION

- Engineering Controls:** Local Exhaust.
- Respiratory Protection:** NIOSH/MSHA approved mist respirator, if misting conditions exists.
- Protective Clothing:** Chemical resistant Gloves, apron or impervious protective clothing.
- Eye Protection:** Chemical safety goggles.
- Other Protective Equipment:** Eye Wash Station and Safety Shower.

SECTION X REACTIVITY DATA

- Stability:** Stable.
- Conditions to Avoid:** Avoid strong oxidizing agents and strong acids.
- Hazardous Polymerization:** Will Not Occur.
- Incompatibility to Other Substances:** Do not mix with strong acids or oxidizers. Reactions with acids can release sulphur dioxide.
- Hazardous Combustion Products:** Phosphines, CO, CO₂, oxides of nitrogen, and sulphur, and other acid fumes.

SECTION XI HANDLING AND STORAGE PRECAUTIONS

Use normal "good" industrial hygiene and housekeeping practices. Wear appropriate safety equipment when handling. Store away from incompatibles. Keep containers closed when not in use and store in a cool dry place .

SECTION XII FURTHER INFORMATION

TDG CLASSIFICATION:

Shipping Name: NOT REGULATED.
UN Number: Not Applicable. **Class:** Not Applicable. **Packing Group:** Not Applicable.

Preparation Information:

Prepared By: Regulatory Department.
Reviewed Date: 28-Aug-14 **Preparation Date:** 22-Aug-01

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