



# 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: C,D1A,D2A

### SECTION I PRODUCT INFORMATION

Product Name : CLN-1010 CLEANER  
Product Use : Pre-Service Cleaner  
Chemical Family : Mixture  
Chemical Formula : Mixture

### SECTION II HAZARDOUS INGREDIENTS

COMPONENTS	Wt / Wt %	LD <sub>50</sub> Oral-rat	HAZARD	CAS NO.
Sodium Nitrite	1 to 10	158 mg/Kg	Toxic and strong oxidizer	7632-00-0

### SECTION III PHYSICAL STATE

Appearance and Physical State : Clear straw coloured liquid  
Odour : None Boiling Point (°C) : > 100 C  
Specific Gravity (water = 1) : 1.00 - 1.05 Freezing Point (°C) : ~ 0  
Vapour Pressure (mm Hg) : Not Available % Volatile ( by weight ) : 60 - 100  
Vapour Density (air = 1) : Not Available pH Product : 8.5 - 9.5  
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.

SKIN: May cause irritation.

INHALATION: Product is not volatile, however mists may be irritating.

INGESTION: May cause marked irritation of the mouth, throat, esophagus, and stomach. Ingestion of large amounts can result in acute toxic effects with nausea, methemoglobinemia, cyanosis (bluish discoloration of skin), marked reduction in blood pressure, with collapse, coma, and possible death.

#### B- EFFECTS OF CHRONIC OVEREXPOSURE

Nitrites may cause reproductive and fetal effects. Laboratory experiments have shown nitrites to have mutagenic effects. Animal studies with nitrites have reported the development of tumors. Chronic exposures 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 and 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.
- 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 large quantities of water to dilute. Do not induce vomiting unless directed to do so by medical personnel. Seek medical attention immediately.

## SECTION VII TOXICOLOGICAL DATA

- Exposure Limits:** Not Available.
- Carcinogenicity:** Ingredients are not listed as carcinogen by ACGIH, or NTP. IARC list sodium nitrite as 2A - Group 2A: Probably carcinogenic to humans. Under certain conditions nitrite compounds may react with secondary amines to form potentially carcinogenic nitrosamines.
- Reproductive Effects:** See Section V(B)
- Mutagenic Effects:** See Section V(B)
- Teratogenic Effects:** See Section V(B)
- 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:** Not normally required.
- 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:** Incompatible materials, exposure to air and excessive heat, ignition sources
- Hazardous Polymerization:** Will Not Occur.
- Incompatibility to Other Substances:**  
Do not mix with strong acids or oxidizers. Avoid contact with combustible materials, ammonium compounds, reducing agents, thiocyanates, and thiosulphate, chlorates, permanganates and cyanides.
- Hazardous Combustion Products:**  
Thermal decomposition products are toxic and may include nitrogen dioxide and oxides of sodium.

## SECTION XI HANDLING AND STORAGE PRECAUTIONS

Avoid storage at high temperatures and store away from strong acids and strong oxidizers. Keep containers closed when not in use. Use appropriate safety equipment, and exercise normal "good" industrial hygiene and housekeeping practices.

## SECTION XII FURTHER INFORMATION

### TDG CLASSIFICATION:

**Shipping Name:** NITRITES, INORGANIC, AQUEOUS SOLUTION, N.O.S.. (Sodium Nitrite Solution)  
**UN Number:** UN3219 **Class:** 5.1 **Packing Group:** III

### Preparation Information:

**Prepared By:** Regulatory Department  
**Revision Date:** 1-Oct-14 **Preparation Date:** 23-Oct-01

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