



# SAFETY DATA SHEET

## SECTION 1 : IDENTIFICATION

**Product Name:** PRESERVIT  
**Product Use:** Closed System Corrosion Inhibitor

**Supplier:** Glengarry Chemicals Ltd.  
**Address:** 33 Melford Drive, Unit 6,  
Scarborough, Ontario. M1B 2G6

**Phone:** 416-737-1183  
**Fax:** 416-737-9793  
**POISON CONTROL CENTRE:** 1-800-268-9017

## SECTION 2 : HAZARD IDENTIFICATION

### GHS Classification:

Category 3: Oxidizing Solids.  
Category 1: Corrosive to metals.  
Category 4: Acute toxicity, oral.  
Category 2: Serious eye damage/eye irritation.  
Category 2: Carcinogenicity

**Signal Word:** DANGER

**Pictogram:**



### Hazard Statements:

H272: May intensify fire; oxidizer.  
H290: May be corrosive to metals.  
H301: Toxic if swallowed.  
H319: Causes serious eye irritation.  
H351: Suspected of causing cancer.

### Precautionary Statements:

P202: Do not handle until all safety precautions have been read and understood.  
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P234: Keep only in original container.  
P261: Avoid breathing dust.  
P264: Wash thoroughly after handling.  
P280: Wear protective gloves/protective clothing/face protection.

### Response Statements:

P301+P330+P310 IF SWALLOWED: Rinse mouth. Immediately call a POISON CENTER/doctor.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P304+P340+P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/ doctor, if you feel unwell.  
P305+P351+P338+P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.  
P363: Wash contaminated clothing before reuse.

**Storage:** P405: Store locked up.  
P402: Store in a dry place.

**Disposal:** P501: Dispose of container according to all applicable regulations.

### SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENTS	CAS NO.	EC No.	CONCENTRATION (wt/wt)
Sodium Nitrite	7632-00-0		60 to 100
Sodium tetraborate, pentahydrate	12179-04-3		10 to 30
Benzotriazole	95-14-7		0.1 to 1.0

### SECTION 4 : FIRST AID MEASURES

- EYES:** Wash with copious amounts of water for at least 20 minutes keeping eyelids open. If irritation persists repeat flushing. Get medical attention if irritation develops and persists.
- SKIN:** Immediately wash the affected areas with plenty of water. If irritation persists, obtain medical attention.
- INHALATION:** Remove person to fresh air and keep comfortable for breathing. Seek medical attention immediately.
- 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.

#### Most important symptoms and effects, both acute and delayed

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

#### Indication of any immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

#### General Information

IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the materials involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

### SECTION 5 : FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Use extinguishing media suitable for surrounding materials.

#### Specific Hazards Arising from the Chemical:

Greatly increases the burning rate of combustible materials. Containers may explode when heated. During fire, gases hazardous to health may be formed.

#### Special Protective Equipment and Precautions for Fire-fighters:

Self contained breathing apparatus and protective clothing should be worn in fighting all fires involving chemicals.

### SECTION 6 : ACCIDENTAL RELEASE MEASURES

#### Personal Precautions, Protective Equipment and Emergency Procedures:

Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid contact with skin, eyes and inhalation of dust.

#### Environmental Precautions:

Prevent further leakage or spillage if safe to do so. Eliminate all ignition sources. Keep combustibles away from spilled material. Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system.

#### Methods and Materials for Containment and Cleaning Up:

Sweep up or vacuum up material and collect in a suitable container for disposal. Dispose of according to local, provincial and federal regulations.

### SECTION 7 : HANDLING AND STORAGE

#### Precautions for Safe Handling:

Do not handle until all safety precautions have been read and understood. Use normal good industrial hygiene and safety practices. Use recommended safety equipment when handling. Wash thoroughly after handling.

#### Conditions for Safe Storage:

Avoid storage at high temperatures and protect from freezing. Store away from incompatibles. Keep containers closed when not in use. Store locked up.

### SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Exposure Guidelines

COMPONENTS	CAS NO.	ACGIH TLV	OSHA PEL	NIOSH
Sodium Hydroxide	1310-73-2	2 mg/m <sup>3</sup> (ceiling)	2 mg/m <sup>3</sup> (ceiling)	10 mg/m <sup>3</sup> (IDLH)
Sodium tetraborate, pentahydrate	12179-04-3	2 mg/m <sup>3</sup> (TWA)	Not Available	5 mg/m <sup>3</sup> (TWA)

**Remarks:**

Only those substances with limit values have been listed.

**Legend**

**ACGIH - American Conference of Governmental Industrial Hygienists**

**OSHA - Occupational Safety and Health Administration**

**NIOSH IDLH: The National Institute for Occupational Safety and Health Immediately Dangerous to Life or Health**

**Appropriate Engineering Controls:**

Ensure adequate ventilation, especially in confined areas.

**Individual Protection Measures:**

**Eyes:** Chemical safety glasses.

**Skin:** Chemical resistant gloves and appropriate protective clothing.

**Respiratory:** NIOSH/MSHA approved dust / mist respirator.

**Work Hygienic Practices:** Facilities storing or using this material should be equipped with emergency eyewash, and a safety shower. Good personal hygiene practices should always be followed.

**SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State:</b>	Granular powder.
<b>Colour:</b>	White to off white.
<b>Odour :</b>	Mild characteristic Odour.
<b>Odour Threshold:</b>	No information available.
<b>pH (1% Solution):</b>	10.0 - 11.0
<b>Specific Gravity (water = 1) :</b>	Not Applicable.
<b>Melting point/Freezing point:</b>	Not Applicable.
<b>Boiling point:</b>	Not Applicable.
<b>Flammability:</b>	Not flammable.
<b>Upper Explosive Limit:</b>	Not Applicable.
<b>Lower Explosive Limit:</b>	Not Applicable.
<b>Flash Point:</b>	Not Applicable.
<b>Auto-ignition Temperature:</b>	Not Applicable.
<b>Decomposition Temperature:</b>	No information available.
<b>Viscosity:</b>	No information available.
<b>Vapour Pressure (mm Hg) :</b>	No information available.
<b>Vapour Density (air = 1) :</b>	No information available.
<b>Evaporation Rate :</b>	No information available.
<b>Solubility in Water :</b>	Miscible.
<b>Partition Coefficient n-Octanol/Water:</b>	No information available.

**SECTION 10 : STABILITY AND REACTIVITY**

<b>Reactivity:</b>	Reacts with acids, oxidizing and reducing materials.
<b>Chemical Stability:</b>	Material is stable under normal conditions.
<b>Possibility of Hazardous Reactions:</b>	Hazardous polymerization does not occur.
<b>Conditions to Avoid:</b>	Contact with incompatible materials. Avoid contact with strong acids. Keep away from heat, sparks and open flame.
<b>Incompatible Materials:</b>	Acids, Amines, Reducing agents, Oxidizing agents, Strong reducing agents.
<b>Hazardous Decomposition Products:</b>	Thermal decomposition products are toxic and may include oxides of sodium and nitrogen.

**SECTION 11 : TOXICOLOGICAL INFORMATION**

<b>Primary Route of Exposure:</b>	Eye contact, skin contact, ingestion and inhalation.
<b>Skin Corrosion/Irritation:</b>	Prolonged skin contact may cause temporary irritation.
<b>Serious eye damage/irritation:</b>	Causes severe eye irritation.
<b>Respiratory or skin sensitization:</b>	This product is not expected to cause respiratory or skin sensitization.
<b>Germ cell mutagenicity:</b>	No information available.
<b>Carcinogenicity:</b>	Ingredients are not listed as carcinogen by ACGIH, or NTP. IARC list sodium nitrite as 2A - Group 2A: Probably carcinogenic to humans.
<b>Reproductive toxicity:</b>	This product is not expected to cause reproductive or developmental effects.
<b>STOT-single exposure:</b>	No information available.
<b>STOT-repeated exposure:</b>	No information available.

**Aspiration hazard:** No information available.

### Component Acute Toxicity Information

COMPONENT	CAS No.	ORAL LD <sub>50</sub>	DERMAL LD <sub>50</sub>	INHALATION LC <sub>50</sub>
Sodium Nitrite	7632-00-0	180 mg/Kg (rat)	Not available	Not available
Sodium tetraborate, pentahydrate	1310-73-2	4500-5000 mg/Kg (Rat)	10000mg/Kg (Rabbit)	Not available
Benzotriazole	95-14-7	560 mg/Kg (Rat)	> 1 g/Kg (Rat)	> 1.5 g/Kg (rat, 4 h)

### SECTION 12 : ECOLOGICAL INFORMATION

Very toxic to aquatic organisms. The product contains following substances which are hazardous for the environment.

COMPONENT	CAS No.	Freshwater Algae	Freshwater Fish	Water Flea
Sodium Nitrite	7632-00-0	Not Available	LC <sub>50</sub> : 0.09-0.13 mg/L 96h (Oncorhynchus mykis)	12.5 - 100 mg/L 48h

**Toxicity:** No information available.

**Persistence and degradability:** No information available.

**Bioaccumulative potential:** No information available.

**Mobility in soil:** No information available.

**Other adverse effects:** No information available.

### SECTION 13 : DISPOSAL CONSIDERATIONS

**Waste Disposal of substance:** Dispose of in accordance with national, state/provincial and regional regulations.

**Container disposal:** Dispose of in accordance with national, state/provincial and regional regulations.

### SECTION 14 : TRANSPORT INFORMATION

**T.D.G./D.O.T. Classification:**

**Shipping Name:** SODIUM NITRITE MIXTURE

**UN Number:** UN1500

**Class:** 5.1 (6.1)

**Packing Group:** III

### SECTION 15 : REGULATORY INFORMATION

**WHMIS Classification:**



Class C: Oxidizing Material



Class D1: Material Causing Immediate & Serious Toxic Effects



Class D2: Material Causing Other Toxic Effects



Class E: Corrosive

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulation (HPR), Hazard Communication Rule (2012), Regulation (EC) No 1907/2006

### SECTION 16 : OTHER INFORMATION

**Preparation Information:**

**Latest Revision Date:** 6-Sep-2017

**Issue Date:** 6-Sep-2017

**Version No.** 1.0

**Revision Notes:** This document has been updated to comply with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

**Prepared By:** Regulatory Affairs.

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