



GLENGARRY CHEMICALS LTD.

33 Melford Drive, Unit 6
Scarborough, ON M1B 2G6
Phone: 416-757-1333 Fax: 416-757-9793

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: Regulated by Pest Control Product Act

SECTION I PRODUCT INFORMATION

Product Name : Glengarry MB-2000
Product Use : Microbiocide
Chemical Family : Ionene
Chemical Formula :

SECTION II HAZARDOUS INGREDIENTS

COMPONENTS	Wt / Wt %	LD ₅₀ Oral-rat	HAZARD	CAS NO.
1,2-ethanediamine,N,N,N',N',-tetramethyl, polymer with 1,1'-oxybis[2-chloroethane]	1 to 10	1951 mg/Kg (male rats)	Irritant	31075-24-8

SECTION III PHYSICAL STATE

Appearance and Physical State : Pale Brown Liquid
Odour : Mild Sweet Odour Boiling Point (°C) : ~ 100
Specific Gravity (water = 1) : 1.00 - 1.05 Freezing Point (°C) : ~ 0
Vapour Pressure (mm Hg) : Not Available % Volatile (by weight) : > 60 (as Water)
Vapour Density (air = 1) : Not Available pH Product : 6.0 - 8.0
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 : >100 °C
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: May cause a mild irritation. Effects may vary depending on the length of exposure, solution concentration, and first aid measures.
SKIN: May cause a mild irritation. Effects may vary depending on the length of exposure, solution concentration, and first aid measures.
INHALATION: Product is not volatile, however mists may be irritating.
INGESTION: No data is available on human ingestion. Based on information on animal studies, no adverse effects are expected.

B - EFFECTS OF CHRONIC OVEREXPOSURE

The effects from chronic exposure to this product have not been fully evaluated.

SECTION VI EMERGENCY AND FIRST AID

EYES: No effects expected. If irritation does occur, flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the chemical is removed. If irritation persists, obtain medical advice.

SKIN: No health effects expected. If irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until chemical is removed. If irritation persists, obtain medical advice.

INHALATION: If symptoms are experienced remove sources of contamination or move victim to fresh air and obtain medical advice.

INGESTION: If irritation or discomfort occur, obtain medical advice immediately.

SECTION VII TOXICOLOGICAL DATA

Exposure Limits: Not Available.

Carcinogenicity: Not listed in any of OSHA Standards Section 1910.1200 sources as carcinogenic.

Reproductive Effects: None Known.

Mutagenic Effects: None Known.

Teratogenic Effects: None Known.

Sensitization: Not a sensitizer.

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:

For large spills dam area to prevent spill from entering any water systems. Transfer into appropriate containers for disposal. For small spills soak up with an absorbent material and collect for disposal. Do not flush into surface streams.

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: Safety Glasses.

Other Protective Equipment: Eye Wash Station and Safety Shower.

SECTION X REACTIVITY DATA

Stability: Stable.

Conditions to Avoid: Avoid strong oxidizing agents, strong acids and incompatibles.

Hazardous Polymerization: Will Not Occur.

Incompatibility to Other Substances:
Incompatible with anionic polymeric materials.

Hazardous Combustion Products:
None known, but carbon monoxide may be released on burning.

SECTION XI HANDLING AND STORAGE PRECAUTIONS

Use normal "good" industrial hygiene and housekeeping practices. Wear appropriate safety equipment when handling. Avoid skin and eye contact. Avoid inhalation of vapours. Store away from incompatibles. Keep containers closed when not in use and store in a cool dry place, and protect from freezing.

SECTION XII FURTHER INFORMATION

TDG CLASSIFICATION:

Shipping Name: NOT REGULATED

UN Number: Not Applicable. **Class:** Not Applicable. **Packing Group:** Not Applicable.

P.C.P No. : 27372

Preparation Information:

Prepared By: Regulatory Department

Review Date: 1-Oct-14 **Preparation Date:** 24-Mar-03

The information supplied above is presented in good faith and has been derived from sources believed to be reliable. However, no warranty, express or implied, is extended regarding its accuracy or the results to be obtained from its use. Products supplied by our company are sold under the condition that liability for any personal injury or damage whatsoever to any property real or personal arising from the handling or use will, in all cases, remain with the handler or user.