

SECTION 1 : IDENTIFICATION

Product Name: GLENGARRY MB-2000
Product Use: Microbiocide

Supplier: Glengarry Solutions	Phone: 416-757-1333
Address: 33 Melford Drive, Unit 5, Scarborough, Ontario. M1B 2G6	Fax: 416-757-9793
	Poison Control Centre 1-800-268-9017

SECTION 2 : HAZARD IDENTIFICATION**GHS Classification:**

This chemical is a pest control product registered by Health Canada Pest Management Regulatory Agency and is subject to certain labelling requirements under the Pest Control Products Act. These requirements differ from the classification criteria and hazard information required for GHS-consistent safety data sheets.

Category 2B: Eye Irritation

Signal Word: **Warning**

Pictogram:

**Hazard Statements:**

H303: May be harmful if swallowed.
H320: Causes eye irritation.

Precautionary Statements:

P202: Do not handle until all safety precautions have been read and understood.
P234: Keep only in original container.
P261: Avoid breathing mist/vapours.
P264: Wash thoroughly after handling.
P280: Wear protective glove.

Response Statements:

P301+330+331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P352	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304+P340+P310	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
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.
P332+313	If skin irritation occurs, get medical advice/attention.
P337+313	If eye irritation persists, get medical advice/attention.
P314:	Get medical advice/attention if you feel unwell.
P363:	Wash contaminated clothing before reuse.

Storage: P405: Store locked up.
Glengarry MB-2000

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

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENTS	CAS NO.	EC No.	CONCENTRATION (wt/wt)
Poly[oxy-1,2-ethanediyl(dimethyliminio)-1,2-ethanediyl(dimethyliminio)-1,2-ethanediyl chloride (1:2)]	31512-74-0		15.0

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 soap and water. If irritation persists, obtain medical attention.
- INHALATION:** Remove person to fresh air and keep comfortable for breathing. Seek medical attention if symptoms develops or persists.
- 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 if feeling unwell. DO NOT INDUCE VOMITING.

Most important symptoms and effects, both acute and delayed

- Eye Contact:** Causes eye irritation. Adverse symptoms may include watering and redness.
- Inhalation:** May be harmful if inhaled.
- Skin contact:** No known significant effects or critical hazards.
- Ingestion:** May be harmful if swallowed.

Indication of any immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation.

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

- Flammability:** Not flammable.
- Suitable Extinguishing Media:** Use extinguishing media suitable for surrounding materials.
- Specific Hazards Arising from the Chemical:** In a fire or if heated, a pressure increase will occur and the container may burst.
- 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 vapors.

Environmental Precautions:

Prevent further leakage or spillage if safe to do so. 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:

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers 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. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. 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.	AIHA WEEL	OSHA PEL	NIOSH

Remarks:

Only those substances with limit values have been listed.

Legend

AIHA WEEL: American Industrial Hygiene Association, Workplace Environmental Exposure Levels

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: Safety Glasses.

Skin: Chemical resistant gloves and appropriate protective clothing.

Respiratory: Approved NIOSH respiratory protection if TLV/PEL is exceeded or if over exposure is likely.

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

Physical State:	Liquid.
Colour:	Pale Brown.
Odour :	Mild Sweet Odour.
Odour Threshold:	No information available.
pH:	6.0 - 8.0
Specific Gravity (water = 1) :	1.00 1.05
Melting point/Freezing point:	~0 °C
Boiling point:	~100°C
Flammability (solid,gas):	Not Applicable.
Upper Explosive Limit:	No information available.
Lower Explosive Limit:	No information available.
Flash Point:	>100°C closed cup
Auto-ignition Temperature:	No information available.
Decomposition Temperature:	No information available.
Viscosity:	No information available.
Vapour Pressure :	No information available.
Vapour Density (air = 1) :	No information available.
Evaporation Rate :	No information available.
Solubility in Water :	Miscible.
Partition Coefficient n-Octanol/Water:	No information available.

SECTION 10 : STABILITY AND REACTIVITY

Reactivity:	No specific test data related to reactivity available for this product or its ingredients.
Chemical Stability:	Material is stable under normal conditions.
Possibility of Hazardous Reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to Avoid:	Contact with incompatible materials.
Incompatible Materials:	No Specific Data.
Hazardous Decomposition Products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal Decomposition products may include the following materials: carbon dioxide, carbon monoxide, nitrogen oxides, halogenated compounds

SECTION 11 : TOXICOLOGICAL INFORMATION

Primary route of exposure:	Eye contact, skin contact, ingestion and inhalation.
Skin corrosion/irritation:	No known significant effects or critical hazards.
Serious eye damage/irritation:	Cause eye irritation.

Respiratory or skin sensitization: Not sensitizing on skin exposure in human and guinea pig studies.

Germ cell mutagenicity: No information available.

Carcinogenicity: A two year rat carcinogenicity study showed a slight increase in c-cell adenomas in female rats. Studies with male rats and male and female mice did not show any evidence of carcinogenic response. This product is not considered a carcinogen.

Reproductive toxicity: No information available.

STOT-single exposure: No information available.

STOT-repeated exposure: No information available.

Aspiration hazard: No information available.

Component Acute Toxicity Information

COMPONENT	CAS No.	ORAL LD ₅₀	DERMAL LD ₅₀	INHALATION LC ₅₀
Poly[oxy-1,2-ethanediyl(dimethyliminio)-1,2-ethanediyl(dimethyliminio)-1,2-ethanediyl chloride (1:2)]	31512-74-0	1850 mg/Kg (rat)	>2000 mg/Kg (rabbit)	2.9 mg/L (rat) 4 hours

SECTION 12 : ECOLOGICAL INFORMATION

COMPONENT	CAS No.	Freshwater Algae	Freshwater Fish	Water Flea
Poly[oxy-1,2-ethanediyl(dimethyliminio)-1,2-ethanediyl(dimethyliminio)-1,2-ethanediyl chloride (1:2)]	31512-74-0	Not Available	LC ₅₀ : 47 ppb, 96h (Oncorhynchus mykiss)	EC ₅₀ : = 266 ppb, 48h (Daphnia magna)

Environmental hazards: This product is toxic to fish. Keep out of lakes, streams or ponds. Do not contaminate water, food, or feed by storage or disposal.

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: Not Regulated

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

SECTION 15 : REGULATORY INFORMATION

Pest Control Products Act
Registration No. 27372

SECTION 16 : OTHER INFORMATION

Preparation Information:

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Version No. 1.00

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Prepared By: Regulatory Affairs.

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