

**SECTION 1 : IDENTIFICATION**

**Product Name:** GLENGARRY MB-3000  
**Product Use:** Microbiocide

**Supplier:** Glengarry Solutions  
**Address:** 33 Melford Drive, Unit 5,  
Scarborough, Ontario. M1B 2G6

**Phone:** 416-757-1333  
**Fax:** 416-757-9793  
**Poison Control Centre** 1-800-268-9017

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

Category 1B: Skin Corrosion  
Category 1: Serious Eye Damage  
Category 1: Skin Sensitization

**Signal Word:** **DANGER**

**Pictogram:**

**Hazard Statements:**

H314: Causes severe skin burns and eye damage.  
H317: May cause an allergic skin reaction.

**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.  
P272: Contaminated work clothing should not be allowed out of the workplace.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.

**Response Statements:**

P301+330+331+310 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.  
P303+P361+P352+363+310 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER/doctor.  
P304+P340+P310 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER/doctor.  
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.

**Storage:** P405: Store locked up.

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

**SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS**

COMPONENTS	CAS NO.	EC No.	CONCENTRATION (wt/wt)
5-chloro-2-methyl-2H-isothiazol-3-one	26172-55-4		1.1 to 1.4
3(2H)-Isothiazolone, 2-methyl-	2682-20-4		0.3 to 0.5

#### SECTION 4 : FIRST AID MEASURES

- EYES:** Wash with copious amounts of water for at least 20 minutes keeping eyelids open. Check for and remove any contact lenses. If irritation persists, repeat flushing. Get medical attention immediately.
- SKIN:** Immediately wash the affected areas with plenty of soap and water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.
- INHALATION:** Remove person to fresh air and keep comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position. Maintain an open airway. Loosen tight clothing such as collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. Get medical attention immediately.
- INGESTION:** If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position. Get medical attention immediately.

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

- Eye Contact:** Causes serious eye damage.
- Inhalation:** May be harmful if inhaled.
- Skin contact:** Causes severe burns. May cause an allergic skin reaction.
- 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.
- Hazardous thermal decomposition products.**  
Decomposition products may include the following materials: carbon dioxide, carbon monoxide, nitrogen oxides, sulfur oxides, halogenated compounds, metal oxide/oxides.
- Special Protective Equipment and Precautions for Fire-fighters:**  
Self contained breathing apparatus and protective clothing should be worn in fighting all fires involving chemicals. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

#### 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. Do not touch or walk through spilled material.

**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. May be harmful to the environment if released in large quantities.

**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. If during normal use, the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. 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:

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area away from incompatible materials and from food and drink. Avoid storage at high temperatures and protect from freezing. Keep containers closed when not in use. Store locked up. Use appropriate containment to avoid environmental contamination.

## 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:

If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

### Individual Protection Measures:

**Eyes:** Chemical splash goggles and/or face shield.

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

**Respiratory:** Approved NIOSH respiratory protection 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

<b>Physical State:</b>	Liquid.
<b>Colour:</b>	Green to pale yellow.
<b>Odour :</b>	Pungent.
<b>Odour Threshold:</b>	No information available.
<b>pH:</b>	2.5 - 5.0
<b>Specific Gravity (water = 1) :</b>	1.01 - 1.03
<b>Melting point/Freezing point:</b>	-3 °C
<b>Boiling point:</b>	100°C
<b>Flammability (solid,gas):</b>	Not Applicable.
<b>Upper Explosive Limit:</b>	No information available.
<b>Lower Explosive Limit:</b>	No information available.
<b>Flash Point:</b>	Closed cup: >100°C (>212°F) [Pensky-Martens.]
<b>Auto-ignition Temperature:</b>	No information available.
<b>Decomposition Temperature:</b>	No information available.
<b>Viscosity:</b>	Dynamic (room temperature): 3 mPa·s (3 cP)
<b>Vapour Pressure :</b>	0.0013 kPa (0.01 mm Hg) [room temperature]
<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

**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.

### SECTION 11 : TOXICOLOGICAL INFORMATION

**Primary route of exposure:** Eye contact, skin contact, ingestion and inhalation.  
**Skin corrosion/irritation:** Causes severe burns. May cause an allergic skin reaction.  
**Serious eye damage/irritation:** Causes serious eye damage.  
**Respiratory or skin sensitization:** Sensitizing on skin exposure in guinea pig studies.  
**Germ cell mutagenicity:** No information available.  
**Carcinogenicity:** No information available.  
**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 <sub>50</sub>	DERMAL LD <sub>50</sub>	INHALATION LC <sub>50</sub>
Glengarry MB-3000		3810 mg/Kg (rat)	>5000 mg/Kg (rabbit)	>5 mg/L (rat) 4 hours

### SECTION 12 : ECOLOGICAL INFORMATION

COMPONENT	CAS No.	Freshwater Algae	Freshwater Fish	Water Flea
5-chloro-2-methyl-2H-isothiazol-3-one	26172-55-4	EC <sub>50</sub> : = 0.062 ppm, 4 days (Pseudokirchneriella subcapitata)	LC <sub>50</sub> : 0.19 ppm, 96h (Oncorhynchus mykiss)	EC <sub>50</sub> : = 0.18 ppm, 48h (Daphnia magna)
3(2H)-Isothiazolone, 2-methyl-	2682-20-4	Not Available	LC <sub>50</sub> : 0.07 ppm, 96h (Oncorhynchus mykiss)	EC <sub>50</sub> : = 0.18 ppm, 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:** CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.  
 (5-Chloro-2-methyl-4-isothiazolin-3-one, 2-Methyl-4-isothiazolin-3-one)

**UN Number:** UN3265      **Class:** 8      **Packing Group** II

## SECTION 15 : REGULATORY INFORMATION

**Pest Control Products Act**  
**Registration No. . 27998**

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. The following is the hazard information required on the pest control product label and the difference between SDS and biocide label.

**Notice to user:**

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the Pest Control Products Act to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

**Environmental hazards:**

This product is toxic to fish and other aquatic organisms. It is not to be used in circumstances that would cause or allow it to enter lakes, streams, ponds, estuaries, oceans or other waters in contravention of federal or provincial regulatory requirements. The requirements of applicable laws should be determined before using the product. Do not contaminate water, food, or feed by storage or disposal. Do not reuse empty container. Pesticide rinsate that cannot be used or chemically reprocessed should be disposed of in an approved landfill away from water supplies.

**Precautionary symbol :**



**Signal word:**           **WARNING**

**Hazard statements:**   **CORROSIVE - POTENTIAL SKIN SENSITIZER**

**Disposal:**

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the treatment site.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements. For information on disposal of unused, unwanted product, contact the manufacturer or the Provincial Regulatory Agency. Contact the manufacturer and the Provincial Regulatory Agency in case of a spill, and for clean-up of spills.

## SECTION 16 : OTHER INFORMATION

**Preparation Information:**

**Latest Revision Date:** 28-Jan-2020

**Issue Date:** 28-Jan-2020

**Version No.** 1.00

**Revision Notes:**

**Prepared By:** Regulatory Affairs.

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