

Material Safety Data Sheet



Section 1. Product and company identification

Product name	: BIO-FILM	Code : 4510
Product description	: Bio-treatment for drain pipes and grease traps	
Supplier/Manufacturer	: CHOISY LABORATORIES LTD. Phone: (819) 228-5564 390, St-Laurent East, P.O. Box 6 E-mail: info@choisy.com Louiseville (Quebec) J5V 2L7 www.choisy.com	
In case of emergency	: Quebec Poison Control Centre: (24 hours service) -Quebec: (800) 463-5060 (no charge) -All other places: (418) 656-8090 CANUTEC: (613) 996-6666 (collect)	

Section 2. Hazards identification

Physical state	: Liquid. [Sparkling liquid.]
Signal word	: NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED. See toxicological information (Section 11)

Section 3. Composition/information on ingredients

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.		

Section 4. First aid measures

Eye contact	: Rinse with plenty of running water. Get medical attention if irritation occurs.
Skin contact	: Flush contaminated skin with plenty of water. If irritation persists, get medical attention.
Inhalation	: Move exposed person to fresh air. Get medical attention if symptoms occur.
Ingestion	: Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Section 5. Fire-fighting measures

Flammability of the product	: No specific fire or explosion hazard.
Flash point	: Closed cup: >93.3°C [Pensky-Martens, closed cup.] [Product does not sustain combustion.]
Extinguishing media	: Use an extinguishing agent suitable for the surrounding fire.

Section 6. Accidental release measures

Personal precautions	: No action shall be taken involving any personal risk or without suitable training. Do not touch or walk through spilled material.
Environmental precautions	: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods for cleaning up	: Stop leak if without risk. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container.

Section 7. Handling and storage

- Handling** : Manipulate with care, avoid splashes.
- Storage** : Store in accordance with local regulations. Keep out of reach of children. Store away from direct sunlight. Do not store in unlabeled containers. Keep container tightly closed in a cool, well-ventilated place.

Section 8. Exposure controls/personal protection

- Engineering measures** : No special ventilation requirements. Good general ventilation should be sufficient to control airborne levels.

Personal protection

- Eyes** : No eye protection is required under normal conditions of use.
- Hands** : No protective gloves required under normal handling conditions. Wash hands thoroughly after handling.
- Respiratory** : No respiratory protection required under normal handling conditions.
- Other** : Not applicable.

Consult local authorities for acceptable exposure limits.

Section 9. Physical and chemical properties

- Physical state** : Liquid. [Sparkling liquid.]
- Color** : Blue.
- Odor** : Camphor.
- pH** : 6.8 to 7.2
- Viscosity** : Dynamic (room temperature): 200 mPa·s (200 cP)
- Boiling/condensation point** : 100°C
- Melting/freezing point** : 0°C
- Relative density** : 1 to 1.01
- Solubility** : Easily soluble in the following materials: cold water and hot water.

Section 10. Stability and reactivity

- Chemical stability** : The product is stable.
- Conditions to avoid** : No specific data.
- Materials to avoid** : No specific data.
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.
- Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.

Section 11. Toxicological information

Potential acute health effects

- Eyes** : No known significant effects or critical hazards.
- Skin** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

Potential chronic health effects

- Carcinogenic Effects** : No known significant effects or critical hazards.
- Mutagenic Effects** : No known significant effects or critical hazards.
- Teratogenic Effects** : No known significant effects or critical hazards.
- Reproductive effects** : No known significant effects or critical hazards.
- Sensitizer** : No known significant effects or critical hazards.

Section 12. Ecological information

- Ecotoxicity** : No known significant effects or critical hazards.
Phosphate-free product.
- Biodegradability** : Organic components are readily biodegradable based on OECD tests of the 301 serie (A to F) Eco-Logo certified product.

Section 13. Disposal considerations

- Waste disposal** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
- Consult your local or regional authorities.**

Section 14. Transport information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
TDG Class	Not regulated.	-	-	-		Remarks Not regulated product (TDG)

PG* : Packing group

Section 15. Regulatory information

WHMIS (Canada) : Not controlled under WHMIS (Canada).

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Section 16. Other information

Date of issue : 2014-05-08.

Prepared by: Department of Research and Development of Choisy Laboratories Ltd.

Phone: (819) 228-5564

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.