

SAFETY DATA SHEET

Emission date: 2017-05-10



Section 1. Identification

Product name : **BIO-FILM** **Code** : **4510**

Product description : **Bio-treatment for drain pipes and grease traps**

Restrictions on use : For professional use only.

Supplier/Manufacturer : **CHOISY LABORATORIES LTD** **Emergency phone** : **Quebec Poison Control Centre:**
390, boul. St-Laurent Est
Louiseville (Quebec) (24 hour service) -Quebec: 800-463-5060 (no charge)
CANADA J5V 2L7 -All other places: 418-656-8090
info@choisy.com / www.choisy.com **CANUTEC: 613-996-6666 (collect)**

Section 2. Hazard identification

Product classification : Not classified.

Hazard pictograms :

Signal word : No signal word.

Hazard statements : No known significant effects or critical hazards.

Precautionary statements

Prevention : Manipulate with care, avoid splashes. Wash hands thoroughly after handling.

Response : Not applicable.

Storage : Not applicable.

Disposal : Not applicable.

Other hazards : None known.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Hazardous ingredients	CAS number	Concentration %
- Aromatic extracts (alcohols, esters, terpenes, essential oils, hydrocarbons)	mélange-mixture- mezcla	0.1 - 1

There are no additional 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 : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Skin contact : Flush contaminated skin with plenty of water. Get medical attention if symptoms occur.

Inhalation : Maintain an open airway. Get medical attention if symptoms occur.

Ingestion : If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Notes to medical doctor : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

See Section 11 for more detailed information on health effects and possible symptoms.

Section 5. Fire-fighting measures

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

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 : No specific data.

Advice for firefighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.



Special protective equipment : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus for fire-fighters (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

Methods and materials for containment and cleaning up

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Section 7. Handling and storage

Precautions for safe handling

Manipulate with care, avoid splashes.

Conditions for safe storage, including any incompatibilities

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 (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Hazardous ingredients

No exposure limit value known.

CAS number

Exposure limit values

Appropriate engineering controls

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

Eye/face : 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.

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

Section 9. Physical and chemical properties

pH	: 6.8 to 7.2	Physical state	: Liquid. [Sparkling liquid.]
Specific gravity	: 1 to 1.01	Odor	: Camphor.
Boiling point	: 100°C	Color	: Blue.
Melting/freezing point	: 0°C		
Vapor pressure	: Not available.		
Vapor density	: Not available.		
Volatility	: Not available.		
Solubility	: Easily soluble in the following materials: cold water and hot water.		
Flash point	: Closed cup: >93.3°C [Pensky-Martens, closed cup.] [Product does not sustain combustion.]		
Viscosity	: Dynamic (room temperature): 170 to 230 mPa·s (170 to 230 cP)		

Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.
Chemical stability : The product is stable.
Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid : No specific data.
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

Likely routes of exposure : Dermal contact. Eye contact. Ingestion.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.
Skin contact : No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.

Potentials symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.
Skin contact : No specific data.
Inhalation : No specific data.
Ingestion : No specific data.

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.

Numerical measures of toxicity

Product/ingredient name	Species	Result	Dose
- Aromatic extracts (alcohols, esters, terpenes, essential oils, hydrocarbons)	Rabbit	LD50 Dermal	>2900 mg/kg
	Rat	LD50 Oral	>2800 mg/kg

Section 12. Ecological information

Ecotoxicity : No known significant effects or critical hazards.
Phosphate-free product. Eco-Logo certified product.

Persistence and degradability

Organic components are readily biodegradable based on OECD guidelines of the 301 serie (A to F).

Section 13. Disposal considerations

Waste handling and 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. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

Reg. info.	UN #	Proper shipping name	Classes	PG*	Label	Additional information
TDG Class	Not regulated.	-	-	-		Remarks Not regulated product (TDG)
IMDG Class	Not regulated.	-	-	-		-

PG* : Packing group

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Section 15. Regulatory information**

Classification of this product and the SDS have been made in accordance with Hazardous Products Regulations (HPR) in force in Canada. This product is a mixture for which no specific health effects data exist. The risks have therefore been evaluated based on the physicochemical properties of the product and its composition and may be overestimated.

Food contact : Food Industry Compliant.

DSL; Canadian Domestic : All components are listed or exempted.

Substance List

Section 16. Other information

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Notice to reader

The information provided in this Safety Data Sheet has been compiled from our experience and data presented in various technical publications. The information contained herein is based on the state of our current knowledge of the product concerned. It is the user's responsibility to verify the value of this information for the adoption of required safety measures. We reserve the right to revise Safety Data Sheets from time to time as new technical information becomes available. The user has the responsibility to contact the company to make sure that the Safety Data Sheet he owns is the last published.

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