



## SAFETY DATA SHEET

According to OSHA Hazard Communication Standard 29 CFR 1910.1200; GHS 4<sup>th</sup> Revision

### SECTION 1 IDENTIFICATION

Product Name **MICROCAT® - PTL Liquid Drain Maintainer**

Identified uses Used in maintaining, cleaning and deodorizing sink and shower drains and p-traps.

Company Bioscience, Inc.  
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Website <http://www.bioscienceinc.com>

### SECTION 2 HAZARD IDENTIFICATION

Hazard Classification	Category	H-statement
Skin Irritant	2	H315
Eye Irritant	2A	H319

Hazard pictograms



Signal words

Warning

Hazard statements

Causes skin irritation (H315)

Causes serious eye irritation (H319)

Precautionary statements

P264; Wash thoroughly after handling.

P280; Wear protective gloves, clothing, and eye protection.

P302 + P352; IF ON SKIN: Gently wash area with soap and plenty of water.

P305 + P351 + P338; IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332 + P313; If skin irritation occurs, get medical attention/advice.

P337 + P313; If eye irritation persists: Get medical attention/advice.

P362 + P364; Take off contaminated clothing and wash it before reuse.

Further information

May aggravate asthmatic and bronchial conditions.

Other hazards

### SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

#### Chemical Identity

##### Common name

##### Synonyms

Non-pathogenic, naturally occurring microbes, microbial secretions and surfactants in water.

##### Hazardous Components

##### Chemical Name (Concentration)

Ethoxylated alcohol (< 4%) 78330-21-9

Alkyl sulfate (< 4%) 2235-54-3

Sodium xylene sulfate (< 4%) 1300-72-7

##### Non-Hazardous Components

##### Name

Viable bacterial cultures in water 7732-18-5

Opacifier 35209-54-2

Chelating agent 64-2-8

Sodium bicarbonate 144-55-8

Fragrance N/A

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## SECTION 4 FIRST-AID MEASURES

Eye	Product is not known to cause eye irritation. However, it is recommended that direct contact with eyes be avoided. In case of contact with eyes, flush eyes with low pressure water for at least 15 minutes. If irritation persists, seek medical attention.
Skin	May lead to opportunistic infection of broken skin or allergic reaction in susceptible individuals. In case of contact with skin, wash skin with soap and water. Apply disinfectant and/or antibiotic to open wounds. Remove contaminated clothing and wash. If irritation persists seek medical attention.
Inhalation	May aggravate asthma, bronchial or lung disease. If inhaled, remove from contaminated area to fresh air. Report situation. Seek medical attention if allergic response exhibited.
Ingestion	Ingestion of material may cause irritation to mouth, pharynx, esophagus and stomach. If swallowed; rinse mouth and throat with tap water. Seek medical attention.
Most important symptoms/effects, acute and delayed	
Further information	

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## SECTION 5 FIRE-FIGHTING MEASURES

Suitable extinguishing media	CO <sub>2</sub> , Dry Chemical, Water Spray
Specific hazards arising from the chemical	
Special protective actions for fire-fighters	

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## SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures	Provide adequate ventilation.
Environmental precautions	
Methods and materials for containment and cleaning up	Contain spills. Remove to sanitary landfill or flush to sewer (completely biodegradable and non toxic).

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## SECTION 7 HANDLING AND STORAGE

Precautions for safe handling	Use safety glasses with side shields, goggles or face shield when pouring to avoid contact with eyes. Provide eye wash capability
Conditions for safe storage, including any incompatibilities	No special requirements

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## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control Parameters

Name	% by Weight	TLV (ACGIH)	PEL (OSHA)

\* Specific limits not set for these chemicals. Limits are shown for Particles Not Otherwise Regulated (PNOR) or Particles Not Otherwise Classified (PNOC). First number is for total dust second number { } is for respirable dust

### Personal Safety Equipment

Eye Protection	Safety glasses with side shields or face shield.
Skin Protection	Wear long-sleeve shirt, trousers, safety shoes, rubber gloves
Respiratory protection	Not required. Provide adequate ventilation.
Industrial Hygiene	Maintain good housekeeping. Wash hands and exposed skin after contact. Remove and wash contaminated clothing.

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## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

### BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Opaque green liquid
Odour	Scented
Odour threshold	Information Not Available
pH	7 – 9
Melting point /Freezing Point	Information Not Available
Initial Boiling point and boiling point range	> 100°C
Flash Point	Information Not Available

Evaporation rate	Information Not Available
Flammability (solid; gas)	Information Not Available
Upper/lower flammability or explosive limits	Information Not Available
Vapour pressure	Approximately equal to water
Vapour density	Information Not Available
Relative density	Information Not Available
Solubility (ies)	< 99%
Partition coefficient: n-octanol/water	Information Not Available
Auto-ignition temperature	Information Not Available
Decomposition temperature	Information Not Available
Viscosity	Information Not Available
Other Physical/Chemical Properties	Specific Gravity at 25°C – 1.0

## SECTION 10 STABILITY AND REACTIVITY

Reactivity	Stable under normal use and conditions
Possibility of hazardous reactions	Information Not Available
Conditions to avoid	Freezing or temperatures greater than 100°F (40°C).
Incompatible materials	Strong acids, bases or oxidizers
Hazardous decomposition products	Information Not Available

## SECTION 11 TOXOLOGICAL INFORMATION

Acute toxicity	Information Not Available
Skin Corrosion/Irritation	May lead to opportunistic infection of broken skin.
Serious Eye Damage/Irritation	Information Not Available
Respiratory or Skin Sensitization	May aggravate asthma, bronchial or lung disease.
Ingestion	Ingestion of material may cause irritation to mouth, pharynx, esophagus and stomach.
Germ Cell Mutagenicity	Information Not Available
Carcinogenicity	NTP: No / IARC Monographs: No / OSHA Regulated: No
Reproductive Toxicity	Information Not Available
Specific Target Organ Toxicity – Single Exposure	Information Not Available
Specific Organ Toxicity – Repeated Exposure	Information Not Available
Aspiration Hazard	Information Not Available
General Remarks	Information Not Available

## SECTION 12 ECOLOGICAL INFORMATION

Toxicity	Do not apply to surface water bodies.
Persistence and degradability	Product is readily biodegradable.
Bioaccumulative potential	Information Not Available
Mobility in Soil	Information Not Available
Other adverse effects	Information Not Available

## SECTION 13 DISPOSAL CONSIDERATIONS

Methods	Dispose of in accordance with current Federal, State, and Local regulations.
Containers	n/a

## SECTION 14 TRANSPORTATION INFORMATION

UN Number	Mixture not classified as Hazardous according to Regulation (EC) 1272/2008.
UN Proper Shipping Name	n/a
Transport Hazard Class	n/a
Packing Group (if applicable)	n/a
Environmental Hazards	n/a
Special Precautions for User	n/a
Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code	n/a
DOT Proper Shipping Name	Chemicals not otherwise indexed (NOI) non-hazardous.

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## SECTION 15 REGULATORY INFORMATION

EU Directive 2000\_54 regarding risks from biological agents: micro-organisms in Class 1 may be used without restriction.

WGK (Water Hazards Class): 0 non-hazardous to water.

All ingredients used are listed on the USEPA TSCA Inventory list.

Canadian WHMIS: Toxic Class D2B (eye irritant)

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## SECTION 16 OTHER INFORMATION

Key: N/A, n/a – Not available

Mixture classified as not dangerous according to Regulation (EC) 1272/2008.

Observe employment restrictions for people.

Components not precisely identified are proprietary or non-hazardous. All chemical ingredients appear on the EPA TSCA inventory.

*Product is not listed with IARC, NTP, ACGIH or OSHA as a carcinogen.*

The microbes in this product are Class 1 microbes, defined by the US Centers for Disease Control as not likely to cause disease in healthy humans and animals. However, contact with open wounds should be avoided; persons who have a compromised immune system or a history of severe allergic response should avoid contact and/or breathing dust or mist from product handling or manufacturing processes.

The information contained in this Safety Data Sheet, as of the issue date, is believed to be true and correct. However, the accuracy or completeness of this information and any recommendations or suggestions are made without warranty or guarantee. Since the conditions of use are beyond the control of our company, it is the responsibility of the user to determine the conditions of safe use of this product. The information in this sheet does not represent analytical specifications; for this information contact Bioscience, Inc. Technical Department.