



SAFETY DATA SHEET

According to OSHA Hazard Communication Standard 29 CFR 1910.1200; GHS 4th Revision

SECTION 1 IDENTIFICATION

Product Name **MICROCAT®- GEL Liquid Drain / Trap / Septic Tank Cleaner**
Identified uses Used in maintaining, cleaning and deodorizing toilets, drains, traps, plumbing systems and septic tanks.
Company Bioscience, Inc.
2201 Hangar Place, Suite 200
Allentown, PA 18109
Phone: (800) 627-3069
(484) 245-5232
Website <http://www.bioscienceinc.com>

SECTION 2 HAZARD IDENTIFICATION

| Hazard Classification | Category | H-statement |
|---------------------------|----------|---|
| Eye Irritant | 2B | Causes eye irritation. (H320) |
| Skin sensitization | 1 | May cause an allergic skin reaction. (H317) |
| Skin corrosion/irritation | 3 | Causes mild skin irritation (H316) |

Hazard pictograms



Signal words

Hazard statements

Precautionary statements

Warning
Causes eye irritation. (H320)
May cause an allergic skin reaction. (H317)
Causes mild skin irritation. (H316)
Avoid breathing fumes or vapors. (P261)
Wash hands thoroughly after handling. (P264)
Contaminated work clothing should not be allowed out of the workplace. (P272)
Wear protective gloves. (P280)
IF ON SKIN: Wash with soap and plenty of water. (P302 + P352)
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305 + P351 + P338)
If skin irritation or rash occurs, get medical advice/attention. (P333 + P313)
If eye irritation persists, get medical advice/attention. (P337 + P313)
Take off contaminated clothing and wash it before reuse. (P362 + P364)
Dispose of contents/container in accordance with local, state and federal regulations. (P501)

Further information
Other hazards

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity Non-pathogenic, naturally-occurring microbes and surfactants in water.

Common name

Synonyms

Hazardous Components

| Chemical Name (Concentration) | CAS-No |
|-------------------------------------|------------|
| Dodecyl benzene sulfonic acid (<1%) | 68584-22-5 |
| Ethoxylated Alcohols, C9-C11 (<1%) | 68439-46-3 |
| Sodium Bicarbonate (1%) | 114-55-8 |

Non-Hazardous Components

| Name | CAS-No |
|--|------------|
| Viable bacterial cultures (in water) (> 90%) | 7732-18-5 |
| Latex Opacifier Lattice (<1%) | 35209-54-2 |

SECTION 4 FIRST-AID MEASURES

Eye Product may cause eye irritation. Direct contact with eyes should 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 asthmatic, bronchial conditions. 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

SECTION 5 FIRE-FIGHTING MEASURES

Suitable extinguishing media Use water spray, alcohol-resistant foam, carbon dioxide or dry chemical.

Specific hazards arising from the chemical May cause allergic respiratory reaction.

Special protective actions for fire-fighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures Provide sufficient ventilation.

Environmental precautions Spilled preparation should be removed immediately to avoid formulation of dust from dried preparation. Take up by mechanical means preferably by a vacuum cleaners equipped with a high efficiency filter. Flush remainder carefully with plenty of water. Avoid splashing and high pressure washing (avoid formulation of aerosols). Ensure sufficient ventilation. Wash contaminated clothing.

Methods and materials for containment and cleaning up Pick up and transfer to properly labeled containers.

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling Use goggles or face shield when pouring to avoid contact with eyes. Provide eye wash capability. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities Protect from sunlight. Do not expose to temperatures exceeding 122°F (50°C). Keep containers tightly closed in a dry, cool and well-ventilated place.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

| Name | % by Weight | TLV (ACGIH) | PEL (OSHA) |
|------|-------------|-------------|------------|
| None | | | |

* 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 Avoid contact with eyes. Use safety goggles or safety glasses with side shields.

Skin Protection Wear long-sleeve shirt, trousers, safety shoes, rubber gloves

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Industrial Hygiene Handle in accordance with good industrial hygiene and safety practices. Wash hands and exposed skin after contact. Remove and wash contaminated clothing.

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 | Approximately equal to water |
| Relative density | Information not available |
| Solubility (ies) | 99% in water |
| Partition coefficient: n-octanol/water | Information not available |
| Auto-ignition temperature | Information not available |
| Decomposition temperature | Information not available |
| Viscosity | > Water |
| Other Physical/Chemical Properties | Specific gravity 1.0 at 25°C |

SECTION 10 STABILITY AND REACTIVITY

| | |
|------------------------------------|--|
| Reactivity | Information not available |
| Possibility of hazardous reactions | Information not available |
| Conditions to avoid | Excessive temperature variations below 32°F (0°C) or above 122°F (50°C) |
| Incompatible materials | Strong acids or alkali compounds and strong oxidizing agents may inactivate biological cultures. |
| Hazardous decomposition products | Information not available |

SECTION 11 TOXOLOGICAL INFORMATION

| | |
|--|---------------------------|
| Acute toxicity | None known |
| Skin Corrosion/Irritation | Information not available |
| Serious Eye Damage/Irritation | Information not available |
| Respiratory or Skin Sensitization | Information not available |
| Ingestion | Information not available |
| Germ Cell Mutagenicity | Information not available |
| Carcinogenicity | None |
| 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 | None known |
| Persistence and degradability | Readily biodegradable |
| Bioaccumulative potential | Information not available |
| Mobility in Soil | Information not available |
| Other adverse effects | Do not apply to surface water bodies |

SECTION 13 DISPOSAL CONSIDERATIONS

| | |
|------------|--|
| Methods | Dispose of in accordance with current Federal, State, and Local regulations. |
| Containers | Dispose of wastes in an approved waste disposal facility. |

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. |

SECTION 15 REGULATORY INFORMATION

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

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

TSCA, DSL – compliant

WHMIS Classification: D2B

WGK-1 (Water Hazards Class 1)

SARA 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and 40 CFR Part 372.

SARA 311/312 Hazardous Categorization: No acute health hazard, chronic health hazard, fire hazard, sudden release of pressure hazard, or reactive hazard.

Clean Water Act (CWA): This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA: This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional or state level pertaining to releases of this material.

California Proposition 65: This product does not contain any Proposition 65 chemicals.

WHMIS Hazard Class D2B Toxic materials: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

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.

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.