



## SAFETY DATA SHEET

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

### SECTION 1 IDENTIFICATION

Product Name	<b>MICROCAT®- BioPOP series (Including 2, 5, 10, 30)</b>
Identified uses	Drain, Trap, Pump Station and Sewer Maintenance
Company	Bioscience, Inc. 2201 Hangar Place, Suite 200 Allentown, PA 18109 Phone: (800) 627-3069 (484) 245-5232
Website	<a href="http://www.bioscienceinc.com">http://www.bioscienceinc.com</a>

### 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

Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

#### Other hazards

### SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

#### Chemical Identity

##### Common name

##### Synonyms

A biological compound in solid form containing bacteria and enzymes.

##### Hazardous Components

##### Chemical Name (Concentration)

CAS-No

Cocamide MEA (<27%)

68140-00-1

Glycerin (<4%)

56-81-5

##### Non-Hazardous Components

##### Name

CAS-No

Sold matter containing naturally occurring microorganisms, surfactants, builders and dye. Packaged in plastic netting.

### SECTION 4 FIRST-AID MEASURES

Eye	Rinse eyes immediately with copious amounts of water. If symptoms persist, call a physician.
Skin	In case of contact with skin, wash off skin with soap and plenty of water. Take off contaminated clothing. In case of skin irritation or allergic reactions, see a physician.
Inhalation	Move to fresh air.

Ingestion	Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting and seek medical attention.
Most important symptoms/effects, acute and delayed	If any symptoms persist seek medical advice. Skin contact may aggravate any existing skin disease. Inhalation of product may aggravate any existing chronic respiratory problem.
Further information	

## SECTION 5 FIRE-FIGHTING MEASURES

Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use of water spray when fighting fire may be inefficient.
Specific hazards arising from the chemical	Upon combustion, toxic gases may be released. Hazardous combustion products: Carbon and Nitrogen oxides
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	See section 8 for protective equipment. Avoid contact with skin and eyes.
Environmental precautions	Refer to protective measures listed in Sections 7 and 8.
Methods and materials for containment and cleaning up	Prevent further spillage if safe to do so. Pick up and transfer to properly labelled containers.

## SECTION 7 HANDLING AND STORAGE

Precautions for safe handling	Wear gloves and eye protection. Handle in accordance with good industrial hygiene and safety practices. Avoid contact with skin and eyes.
Conditions for safe storage, including any incompatibilities	Store container in a cool, dry place. Keep container tightly closed.
Incompatible Products	Strong acids and alkalis, and strong oxidizing agents may react with product and inactivate bacterial cultures.

## 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	None required for consumer use. Safety glasses are recommended.
Skin Protection	None required for consumer use. Repeated or prolonged contact: Wear protective gloves and protective clothing. Wash hands after use.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
Industrial Hygiene	Handle in accordance with good industrial hygiene and safety practices. Take off contaminated clothing and wash before reuse.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

### BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Light red solid
Odour	None
Odour threshold	Information not available
pH	Does Not Apply
Melting point /Freezing Point	Information not available
Initial Boiling point and boiling point range	Information not available
Flash Point	Does Not Apply
Evaporation rate	Does Not Apply
Flammability (solid; gas)	Information not available
Upper/lower flammability or explosive limits	Does Not Apply
Vapour pressure	Does Not Apply

Vapour density	Does Not Apply
Relative density	Information not available
Solubility (ies)	Dispersible
Partition coefficient: n-octanol/water	Does Not Apply
Auto-ignition temperature	Information not available
Decomposition temperature	Information not available
Viscosity	Does Not Apply
Other Physical/Chemical Properties	n/a

## SECTION 10 STABILITY AND REACTIVITY

Reactivity	Stable when stored under normal conditions and use.
Possibility of hazardous reactions	Information not available
Conditions to avoid	Freezing or temperature greater than 100°F (40°C).
Incompatible materials	Strong acids and alkalis, and strong oxidizing agents may react with product and inactivate bacterial cultures.
Hazardous decomposition products	Carbon and Nitrogen Oxides

## SECTION 11 TOXOLOGICAL INFORMATION

Acute toxicity	None
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	Contains no ingredient listed as a carcinogen.
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	Component bacteria are non-pathenogenic and generally regarded as safe.

## SECTION 12 ECOLOGICAL INFORMATION

Toxicity	Not dangerous to the environment.
Persistence and degradability	Not dangerous to the environment.
Bioaccumulative potential	Not dangerous to the environment.
Mobility in Soil	Not dangerous to the environment.
Other adverse effects	Not dangerous to the environment.

## 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	Non-hazardous Solid
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	Non-hazardous Solid
Other	

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## SECTION 15 REGULATORY INFORMATION

### US State Regulations:

- California Proposition 65: This product does not contain any Proposition 65 chemicals.
- US State Right-to-Know Regulations: This product does not contain any substances above threshold limits that are regulated by State right-to-know.

### US Federal Regulations:

- SARA 313: Section 313 of the Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical which is subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.
- SARA 311/312 Hazard Categories: Acute Health 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 and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40CFR 355). There may be specific reporting requirements at the local, regional, or State level pertaining to releases of this material.
- Complies with the United States Toxic Substances Control Act – Section 8(b) Inventory (TSCA).

### International Regulations:

- 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.
- Preparation does not contain ingredients listed as dangerous substances in Annex 1 of the EEC directive 67/548.
- All components are listed on the Canadian Domestic Substances List (DSL).
- Mixture classified as not dangerous according to Regulation (EC) 1272/2008.

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## SECTION 16 OTHER INFORMATION

Key: N/A, n/a – Not available

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.