



SAFETY DATA SHEET

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

SECTION 1 IDENTIFICATION

Product Name	MICROCAT® - SMAL Liquid Hard Surface Cleaner
Identified uses	Used to wet, lift and emulsify hydrocarbon deposits and spills on hard surfaces such as concrete or drain pipe interior walls or in soils.
Company	Bioscience, Inc. 2201 Hangar Place, Suite 200 Allentown, PA 18109 Phone: (800) 627-3069 (484) 245-5232
Website	www.bioscienceinc.com

SECTION 2 HAZARD IDENTIFICATION

Hazard Classification	Category	H-statement
Skin Irritant	2	H315
Eye Irritant	2B	H320

Hazard pictograms



Signal words

Warning

Hazard statements

Causes eye irritation (H320)

Causes skin irritation (H315)

Precautionary statements

P264 – Wash thoroughly after handling.

P280 – Wear protective gloves.

P302 + P352 – IF ON SKIN, wash 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 advice/attention.

P337 + P313 – If eye irritation persists, get medical advice/attention.

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

Further information
Other hazards

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity

Common name

Synonyms

Nonpathogenic, naturally occurring microbes, enzymes, nutrients and surfactants in water.

Hazardous Components

Chemical Name (Concentration)

Poly(oxy 1,2-ethanediyl) alpha (nonylphenyl)-omega-hydroxy (< 15%)

CAS-No

9016-45-9

Non-Hazardous Components

Name

Viable bacterial cultures (largely water) (> 85%)

Fragrance (< 2%)

Opacifier (< 2%)

Chelating agent (< 2%)

Diammonium phosphate (<1%)

CAS-No

7732-18-5

N/A

35209-54-2

64-02-8

7783-28-0

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 water for at least 15 minutes. If irritation persists, seek medical attention.
Skin	Product may cause skin irritation. Direct contact with skin should be avoided. In case of contact with skin, wash skin with soap and water. Remove contaminated clothing and wash.
Inhalation	May cause sensitization by inhalation in hypersensitive individuals. Avoid product handling which results in dust generation. If inhaled, remove from contaminated area to fresh air. Report situation. Seek medical attention if allergic response exhibited.
Ingestion	Ingestion of material may cause mouth and throat irritation and/or gastric disturbance. If swallowed, rinse mouth and throat with tap water. Drink water.
Most important symptoms/effects, acute and delayed	
Further information	

SECTION 5 FIRE-FIGHTING MEASURES

Suitable extinguishing media	Dry chemical, CO ₂ , water spray
Specific hazards arising from the chemical	
Special protective actions for fire-fighters	

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures	Use with adequate ventilation.
Environmental precautions	
Methods and materials for containment and cleaning up	Contain spills. Flush to sewer (completely biodegradable and non toxic).

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.
Conditions for safe storage, including any incompatibilities	

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	Safety goggles or safety glasses with side shields.
Skin Protection	Wear long-sleeve shirt, trousers, safety shoes, rubber gloves.
Respiratory protection	Respirator not required. Provide adequate ventilation.
Industrial Hygiene	Maintain good housekeeping. 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 blue 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	Approximately equal to water
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% in water
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 cause skin irritation
Serious Eye Damage/Irritation	May cause eye irritation
Respiratory or Skin Sensitization	May cause sensitization by inhalation in hypersensitive individuals.
Ingestion	May cause mouth and throat irritation and/or gastric disturbance.
Germ Cell Mutagenicity	Information not available
Carcinogenicity	Information not available
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	Information not available
Persistence and degradability	Product is completely 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	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.

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.

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.