



**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® - SH Biodegradable Wetting Agent**

Identified uses Formulated for use in soil cleanup and sludge processing operations.  
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
Acute toxicity: Inhalation	4	H332
Acute toxicity: Oral	4	H302
Acute Toxicity: Dermal	4	H312
Skin Irritant	2	H315
Eye Irritant	2A	H319

*Hazard pictograms*



*Signal words*

Warning

*Hazard statements*

Harmful if swallowed (H302)  
Harmful in contact with skin (H312)  
Harmful if inhaled (H332)  
Causes skin irritation (H315)  
Causes serious eye irritation (H319)

*Precautionary statements*

P261 – Avoid breathing dust, fumes, mist, vapors, or spray.  
P264 – Wash thoroughly after handling.  
P270 – Do not eat, drink or smoke when using this product.  
P271 – Use only outdoors or in a well-ventilated area.  
P280 – Wear protective gloves/protective clothing.  
P301 + P312 + P330 – IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor if you feel unwell.  
P302 + P352 – IF ON SKIN: Wash with soap and plenty of water.  
P304 + P340 – IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P312 – Call a POISON CENTER or doctor if you feel unwell.  
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.  
P501 – Dispose of contents/container in accordance with local, regional, and federal regulations.

Further information

Other hazards

**SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS**

**Chemical Identity**

**Common name**

**Synonyms**

concentrated nonionic surfactants

**Hazardous Components**

**Chemical Name (Concentration)**

CAS-No

**Non-Hazardous Components**

<b>Name</b>	<b>CAS-No</b>
Secondary Alcohol Ethoxylate	84133-50-6

**SECTION 4 FIRST-AID MEASURES**

Eye	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 30 minutes, remove contacts after 5 minutes. If irritation persists, seek medical attention.
Skin	In case of contact with skin, wash skin with plenty of water. Remove contaminated clothing and wash. If irritation persists seek medical attention.
Inhalation	Remove from contaminated area to fresh air. Report situation. Seek medical attention if allergic response exhibited.
Ingestion	Do Not Induce Vomiting. Seek medical attention immediately.
Most important symptoms/effects, acute and delayed	
Further information	

**SECTION 5 FIRE-FIGHTING MEASURES**

Suitable extinguishing media	Dry Chemical, Carbon Dioxide, or Water Spray
Specific hazards arising from the chemical	Explosive mixtures may form when mixed with strong oxidizing and reducing agents.
Special protective actions for fire-fighters	

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment, and emergency procedures	Provide adequate ventilation.
Environmental precautions	Do not allow to get into soil, ditches, sewers, waterways and or groundwater.
Methods and materials for containment and cleaning up	Contain spill with inert material (sand or earth); scoop or shovel dry material into suitable container for recovery or disposal. Wash down area with water to a chemical sewer. Keep runoff out of municipal sewers and open bodies of water. Dispose of in accordance with current regulations.

**SECTION 7 HANDLING AND STORAGE**

Precautions for safe handling	Do not get in eyes. Avoid contact with skin, eyes, and clothing. Avoid breathing vapors. Use adequate ventilation. Wash thoroughly after handling
Conditions for safe storage, including any incompatibilities	No specific requirements

**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	Chemical splash goggles (ANSIZ-87.1 or approved equivalent)
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. Avoid contact with food or food preparation surfaces. Remove and wash contaminated clothing.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES****BASIC PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	Light color viscous liquid
<b>Odour</b>	Mild odour



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### SECTION 13 DISPOSAL CONSIDERATIONS

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

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### SECTION 14 TRANSPORTATION INFORMATION

UN Number	UN3082
UN Proper Shipping Name	Environmentally Hazardous substance, liquid, NOS
Transport Hazard Class	Class 9
Packing Group (if applicable)	III
Environmental Hazards	Marine Pollutant
Special Precautions for User	
Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code	
DOT Proper Shipping Name	Environmentally Hazardous substance, liquid, NOS

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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.

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

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### SECTION 16 OTHER INFORMATION

Key: N/A, n/a – Not available

Observe employment restrictions for people.

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

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.