



SAFETY DATA SHEET

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

SECTION 1 IDENTIFICATION

Product Name **MICROCAT® - ECL Natural Food Grade Cleaner / Deodorizer**
MICROCAT® - ECL 5X, 10X, and 20X Concentrations

Identified uses Used in cleaning and deodorizing.
 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
Skin Irritant	2	H315
Acute Toxicity – Inhalation	5	H333

Hazard pictograms



Signal words Warning

Hazard statements Causes skin irritation (H315)
 May be harmful if inhaled (H333)

Precautionary statements P264 – Wash thoroughly after handling.
 P280 – Wear protective gloves.
 P302 + P352 – IF ON SKIN: Wash with soap and plenty of water.
 P304 + P312 – IF INHALED: Call a POISON CENTER or doctor if you feel unwell.
 P332 + P313 – If skin irritation occurs: 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

Water solution of non-hazardous, natural surface active ingredients, synthetic surfactants and stabilizers.

Hazardous Components

Chemical Name (Concentration)

CAS-No

Non-Hazardous Components

Name

CAS-No

Secondary Alcohol Ethoxylate Nonionic surfactant	84133-50-6
Sodium Dodecyl sulfate; Anionic Surfactant	151-21-3
Ethylene Diamine Tetra Acetic Acid; Disodium salt; EDTA	6381-92-6
Sodium Benzoate	532-32-1
Plant Extract	90147-57-2
Water	7732-18-5

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	In case of contact with skin, wash skin with soap and water. 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 severe gastric disturbance, sore throat. 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	CO ₂ , Dry Chemical, 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	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).

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.

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	Dust mask or respirator for particle removal (NIOSH).
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	Clear amber viscous liquid
Odour	Mild odour
Odour threshold	Information Not Available
pH	5 -10
Melting point /Freezing Point	Information Not Available
Initial Boiling point and boiling point range	Information Not Available

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	Information Not Available
Vapour density	Information Not Available
Relative density	Information Not Available
Solubility (ies)	Complete 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	Information Not Available

SECTION 10 STABILITY AND REACTIVITY

Reactivity	Stable under normal use and conditions.
Possibility of hazardous reactions	Information Not Available
Conditions to avoid	Freezing or temperature 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	Coughing, shortness of breath may occur. Persons with chronic respiratory or asthmatic conditions should avoid contact with aerosols.
Ingestion	Gastric disturbance, severe gastrointestinal irritation, sore throat
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	Both acute and chronic toxicity to aquatic life with possible long-lasting effect.
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. Avoid release to the environment.
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

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.