

SAFETY DATA SHEET



BACTI-KLEAR® PELLETS AQUATIC MICROBIAL BLEND

SECTION 1. IDENTIFICATION

Product name : BACTI-KLEAR® PELLETS AQUATIC MICROBIAL BLEND

Relevant identified uses of the substance or mixture: Bacterial augmentation

Manufacturer or supplier's details

Company : SePRO Corporation
11550 North Meridian Street, Suite 600
Carmel, IN 46032

Telephone : Phone 317-580-8282/Toll Free 1-800-419-7779
Fax: 317-580-8290
Monday-Friday, 8am-5pm EST
: www.sepro.com

Emergency telephone number : **INFOTRAC 24-hour service 1-800-535-5053**

Recommended use of the chemical and restrictions on use

Recommended use : Water treatment treatment

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Serious eye damage : Category 1

Skin irritation : Category 2

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H318 Causes serious eye damage.
H315 Causes skin irritation.

Precautionary statements : **Prevention:**
P280 Wear eye protection/ face protection.
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves.
Response:



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P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P362 Take off contaminated clothing and wash before reuse.

Disposal:

P501 Dispose of contents/container in accordance with local regulation.

Other hazards

The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity: 28 %

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Mixture

Hazardous components

Chemical name / Synonyms	CAS-No.	Concentration (% w/w)
Benzenesulfonic acid, C10-13-Alkyl derivate, sodium salts	68411-30-3	10 - 19
Magnesium distearate	557-04-0	1 - 3
Alcohols, C10-16, ethoxylated, sulfates, sodium salts	68585-34-2	1 - 3

SECTION 4. FIRST AID MEASURES

If inhaled : Move to fresh air.
If unconscious, place in recovery position and seek medical advice.

In case of skin contact : Wash with water and soap as a precaution.
If on clothes, remove clothes.
In the case of skin irritation or allergic reactions see a physician.

In case of eye contact : In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Call a physician immediately.

If swallowed : Do not induce vomiting. Drink water. Call physician immediately.
Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed : No information available.

Notes to physician : Treat symptomatically.



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SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Specific hazards during firefighting : Heating or fire can release toxic gas.
- Further information : Use water spray to cool unopened containers.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment. Avoid dust formation.
- Environmental precautions : If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Sweep up and shovel into suitable containers for disposal. Avoid dust formation.

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed.
- Advice on safe handling : Avoid contact with skin, eyes and clothing. Avoid dust formation.
- Conditions for safe storage : Keep container tightly closed. Keep in a well-ventilated place. To maintain product quality, do not store in heat or direct sunlight.
- Materials to avoid : Refer to Section 10, "Incompatible Materials."
- Further information on storage stability : No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis



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Magnesium distearate	557-04-0	TWA (Inhalable fraction.)	10 mg/m3	ACGIH
		(Respirable fraction.)		ACGIH
		TWA (Respirable fraction.)	3 mg/m3	ACGIH
		(Inhalable fraction.)		ACGIH
Starch	9005-25-8	TWA	10 mg/m3	ACGIH
		REL (Respirable.)	5 mg/m3	NIOSH/GUIDE
		REL (Total)	10 mg/m3	NIOSH/GUIDE
Stearic acid	57-11-4	(Respirable fraction.)		ACGIH
		TWA (Respirable fraction.)	3 mg/m3	ACGIH
		TWA (Inhalable fraction.)	10 mg/m3	ACGIH
		(Inhalable fraction.)		ACGIH
Magnesium distearate	557-04-0	TWA (Inhalable fraction.)	10 mg/m3	ACGIH
		(Respirable fraction.)		ACGIH
		TWA (Respirable fraction.)	3 mg/m3	ACGIH
		(Inhalable fraction.)		ACGIH
Soybean Oil	8001-22-7	REL (Total mist)	10 mg/m3	NIOSH/GUIDE
		REL (Respirable mist.)	5 mg/m3	NIOSH/GUIDE

Engineering measures : Use local exhaust ventilation to maintain levels below exposure limits.

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection
Remarks : Wear protective gloves.

Eye protection : Safety glasses with side-shields
Ensure that eyewash stations and safety showers are close to the workstation location.



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- Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : pellets
- Colour : brown
- Odour : no data available
- Odour Threshold : no data available
- pH : no data available
- Melting point/freezing point : no data available
- Boiling point/boiling range : no data available
- Flash point : Not applicable
- Evaporation rate : no data available
- Flammability (solid, gas) : no data available
- Flammability (liquids) : no data available
- Upper explosion limit : no data available
- Lower explosion limit : no data available
- Vapour pressure : no data available
- Relative vapour density : no data available
- Partition coefficient: n-octanol/water : no data available
- Auto-ignition temperature : no data available
- Decomposition temperature : no data available
- Viscosity, dynamic : no data available
- Viscosity, kinematic : no data available



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SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	Stable under recommended storage conditions.
Possibility of hazardous reactions	:	Stable under recommended storage conditions. No hazards to be specially mentioned.
Conditions to avoid	:	Heat
Incompatible materials	:	Strong acids and strong bases Oxidizing agents
Hazardous decomposition products	:	No decomposition if used as directed.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Acute oral toxicity : LD50 (Rat): > 3,000 mg/kg LONZA-N11.00322060
Method: Calculation method

Acute inhalation toxicity : Remarks: no data available

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg
Method: Calculation method

**Serious eye damage/eye irritation
Respiratory or skin sensitization**

Remarks: Causes serious eye damage.
Remarks: Non-sensitizing

Carcinogenicity

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

ACGIH

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

Aspiration toxicity

No aspiration toxicity classification



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SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Persistence and degradability : no data available

Bioaccumulative potential : no data available

Mobility in soil : no data available

Other adverse effects

Ozone-Depletion Potential : Regulation: US. EPA Clean Air Act (CAA) Section 602 Ozone-Depleting Substances (40 CFR 82, Subpt. A, App A & B)Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information : no data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : If this product becomes a waste, it will be a nonhazardous waste.
As a hazardous solid waste, it must be disposed of in accordance with local, state and federal regulations.



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SECTION 14. TRANSPORT INFORMATION

DOT	:	Not dangerous goods
UN number	:	Not applicable
Proper shipping name	:	Not applicable
Transport hazard class	:	Not applicable
Packing group	:	Not applicable
TDG	:	Not dangerous goods
UN number	:	Not applicable
Proper shipping name	:	Not applicable
Transport hazard class	:	Not applicable
Packing group	:	Not applicable
IATA	:	Not dangerous goods
UN number	:	Not applicable
Proper shipping name	:	Not applicable
Transport hazard class	:	Not applicable
Packing group	:	Not applicable
IMDG	:	Not dangerous goods
UN number	:	Not applicable
Proper shipping name	:	Not applicable
Transport hazard class	:	Not applicable
Packing group	:	Not applicable
ADR	:	Not dangerous goods
UN number	:	Not applicable
Proper shipping name	:	Not applicable
Transport hazard class	:	Not applicable
Packing group	:	Not applicable
RID	:	Not dangerous goods
UN number	:	Not applicable
Proper shipping name	:	Not applicable
Transport hazard class	:	Not applicable
Packing group	:	Not applicable
Special precautions for user	:	none
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	:	Not applicable

SECTION 15. REGULATORY INFORMATION

CERCLA Reportable Quantity



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This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards

See above: SECTION 2. Hazard Identification-GHS Classification

SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

This product does not contain any VOC exemptions listed under the U.S. Clean Air Act Section 450.

Clean Water Act

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

US State Regulations

Massachusetts Right To Know

Components	CAS-No.
Starch	9005-25-8
Soybean Oil	8001-22-7

Pennsylvania Right To Know

Components	CAS-No.
Starch	9005-25-8
Benzenesulfonic acid, C10-13-Alkyl derivate, sodium salts	68411-30-3
Non-Hazardous component(s)	Not Assigned
Stearic acid	57-11-4
Magnesium distearate	557-04-0
Sodium chloride	7647-14-5
Alcohols, C10-16, ethoxylated, sulfates, sodium salts	68585-34-2

New Jersey Right To Know



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Starch	9005-25-8
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Non-Hazardous component(s)	Not Assigned
Stearic acid	57-11-4
Magnesium distearate	557-04-0
Sodium chloride	7647-14-5
Alcohols, C10-16, ethoxylated, sulfates, sodium salts	68585-34-2

California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Canadian lists

NPRI

Canadian National Pollutant Release Inventory (NPRI): No component is listed on NPRI.

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

ACGIH : US. ACGIH Threshold Limit Values
NIOSH/GUIDE : US. NIOSH: Pocket Guide to Chemical Hazards, as amended
AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG -



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United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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