

SAFETY DATA SHEET

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

SECTION 1 IDENTIFICATION

Product Name **ProBac®- MicroTab (Includes High-Flow, EX, HC, and Mini Versions)**

Identified uses Drain, Trap, Pump Station and Sewer Maintenance
Company MicroSpring International, LLC
 1148 Elizabeth Ave., Suite B
 Lancaster, Pa. 17601
 Phone: (866) 864-3150 (USA only)
 (717) 208-7863
 Emergency: (800) 424-9300 (Chemtrec)

Website <http://www.microspringintl.com>

SECTION 2 HAZARD IDENTIFICATION

Hazard Classification	Category	H-statement
Eye Irritant	2B	Causes eye irritation (H320)
Skin sensitization	1A	May cause an allergic skin reaction (H317)

Hazard pictograms

Signal words

Warning

Hazard statements

Causes eye irritation (H320)

May cause an allergic skin reaction (H317)

Precautionary statements

Wash hands thoroughly after handling. (P264)

Wear protective gloves. (P280)

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

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. (P305 + P351 + P338)

If skin irritation or rash occurs, get medical advice/attention. (P333 + P313)

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

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

Dispose of contents/container in accordance with local, regional, national, and international regulations. (P501)

Further information

Other hazards

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS
Chemical Identity
Common name
Synonyms

A slow-release solid formulation containing bacteria.

Hazardous Components
Chemical Name (Concentration)

D-limonene (<1%)

CAS-No

5989-27-5

Non-Hazardous Components
Name
CAS-No

Composition is proprietary but remaining ingredients are food grade biodegradable compounds designed to slowly release naturally occurring microorganisms, colorants, and/or fragrance. Packaged in plastic netting.

SECTION 4 FIRST-AID MEASURES



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Eye	Wash immediately with copious amounts of water.
Skin	In case of contact with skin, wash off skin with plenty of water.
Inhalation	n/a
Ingestion	Rinse mouth and throat and drink water to dilute.
Most important symptoms/effects, acute and delayed	If any symptoms persist seek medical advice.
Further information	

SECTION 5 FIRE-FIGHTING MEASURES

Suitable extinguishing media	Any
Specific hazards arising from the chemical	None
Special protective actions for fire-fighters	n/a

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures	See section 8 for protective equipment.
Environmental precautions	Do not place in or dispose to surface water.
Methods and materials for containment and cleaning up	n/a

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling	Wash hands after use, for prolonged exposure wear gloves. Use eye protection when handling large quantities.
Conditions for safe storage, including any incompatibilities	Store container in a cool, dry place.

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	Recommended when handling large quantities.
Skin Protection	Wash hands after use; wear rubber gloves if exposure is prolonged.
Respiratory protection	Not required
Industrial Hygiene	All material should be handled under good housekeeping practices. Care should be taken to ensure product is not introduced to drinking water or food stuffs.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Cylindrical solid; color will vary with composition based on intended use
Odour	Slight citrus
Odour threshold	Information not available
pH	Does Not Apply
Melting point /Freezing Point	Information not available
Initial Boiling point and boiling point range	>100 °C
Flash Point	Does Not Apply
Evaporation rate	Does Not Apply
Flammability (solid; gas)	Information not available

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Upper/lower flammability or explosive limits	Does Not Apply
Vapour pressure	<Water
Vapour density	Does Not Apply
Relative density	Information not available
Solubility (ies)	Dissolves/decomposes over 30-60 days
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, bases or oxidizers
Hazardous decomposition products	Information not available

SECTION 11 TOXOLOGICAL INFORMATION

Acute toxicity	None
Skin Corrosion/Irritation	Information not available
Serious Eye Damage/Irritation	None
Respiratory or Skin Sensitization	Information not available
Ingestion	Information not available
Germ Cell Mutagenicity	Information not available
Carcinogenicity	No components present at 0.1% or more identified as known or suspected carcinogen by NTP or OSHA
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-pathogenic (class 1) and generally regarded as safe.

SECTION 12 ECOLOGICAL INFORMATION

Toxicity	Not dangerous to the environment.
Persistence and degradability	Biodegradable.
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



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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	

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.

Preparation does not contain ingredients listed as dangerous substances in Annex 1 of the EEC directive 67/548.

No chemicals in this material are subject to the reporting requirements of SARA Title III, section 302.

No chemicals in this material with known CAS numbers exceed the threshold (De Minimus) reporting requirements of SARA Title III, section 313.

No components are subject to Massachusetts Right to Know Act.

D-limonene (CAS# 5989-27-5) is listed in Pennsylvania and New Jersey Right to Know (Revision date 2009-07-17).

This product does not contain any chemicals known to State of California to cause cancer, birth defects or any other reproductive harm (Prop. 65)

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 MicroSpring International, LLC Technical Department.