



## MATERIAL SAFETY DATA SHEET

### SECTION I – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer:	Information:
<b>MicroSpring International, LLC</b>	Phone Number: 717-208-7863
1148 Elizabeth Ave., Suite B	E-mail: info@microspringintl.com Emergency Phone Number:
Lancaster, Pa. 17601	866-864-3150
	For more ingredient information visit: www.microspringintl.com
	Toll Free: +1 717 208 7863

**Commercial Product Name: ProBac Continuous Release Cartridge**

**Chemical Characterization:** Non-pathogenic, naturally-occurring microorganisms suspended in water.

**Product Use:** Commercial Drain / Wastewater Treatment

### SECTION II – COMPOSITION AND INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>% by wt.</u>	<u>CAS No.</u>	<u>TLV (ACGIH)</u>	<u>PEL (OSHA)</u>
Hazardous Ingredients:		None		
Non-Hazardous Ingredients:				
Sodium Bicarbonate	<5	144-55-8	NA	NA
Viable bacteria cultures (in water)	>85	7732-18-5	NA	NA

### SECTION III – PHYSICAL PROPERTIES

Ingredients not precisely identified are proprietary or non-hazardous. All chemical ingredients appear on the EPA TSCA inventory.

<b>Color:</b> Opaque, green color	<b>Form:</b> Liquid	<b>Odor:</b> Scented
<b>Odor Threshold:</b> ND	<b>Specific Gravity:</b> ~1.0	<b>Evaporation Rate:</b> ND
<b>Solubility in Water:</b> Yes	<b>Alternative Solvent:</b> NA	<b>pH Value:</b> 7-9
<b>Boiling Point:</b> 212 °F at 1 atm	<b>Vapor Pressure:</b> ~ 24.00 mmHg	<b>Vapor Density:</b> ND
<b>Stability:</b> Stable under normal conditions	<b>Hazardous polymerization:</b> Will not occur	
<b>Freezing Point:</b> 32°F at 1 atm	<b>Coefficient H2O / Oil Distribution:</b> No Data	
<b>Incompatibility (materials to avoid):</b> None Known		

### SECTION IV – HEALTH HAZARD IDENTIFICATION & FIRST AID PROCEDURES

The microbes in this product are Class 1 microbes, defined by the US Center for Disease Control as not likely to cause disease in healthy humans and animals. However, persons who have a compromised immune system or a history of severe allergic response should avoid contact with open wounds and/or breathing dust or mist from product handling or manufacturing processes.

**Inhalation:** Not a normally expected route of exposure. If occurs, flush mouth and nose with water. If irritation occurs, consult physician. Seek immediate medical attention if serious symptoms (shortness of breath, wheezing, labored coughing) are exhibited.

**Eye Contact:** Product may cause eye irritation. Direct contact with eyes should be avoided. In case of contact with eyes, flush the eyes with water for at least 15 minutes. If irritation persists, seek medical attention.

**Skin Contact:** Direct contact with skin should be avoided. In case of contact with skin, wash skin with soap and water. Remove contaminated clothing and place in wash. If irritation persists seek medical attention.

**Ingestion:** Ingestion of material may cause mouth and throat irritation and/or gastric disturbance. If swallowed, rinse mouth and throat with water. Induction of vomiting is recommended by manufacturer. Call poison control center or appropriate medical resource for additional direction.

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

## SECTION V - FIRE FIGHTING MEASURES

**HMIS Rating:** Health – 1      Flammability – 0      Reactivity - 0

**Flash Point:** Not Available      **Flammable Limits:** Not Available

**Extinguishing Media:** Not Likely to Burn in Liquid State.

**Unusual Fire and Explosion Hazard:** No special requirements. Not hazardous under normal storage and use conditions.

## SECTION VI – ACCIDENTAL RELEASE MEASURES

**After Spillage:** Spilled product should be flushed away with copious amounts of water.

## SECTION VII – PERSONAL PROTECTION/HANDLING AND STORAGE

**Technical Protective Measures:** No specific precautions are required.

**Recommended Personal Protective Equipment:**

Respiratory Protection: Not required under normal conditions of use.

Skin Protection: Wear protective gloves to prevent skin contact. Most water-resistant gloves will provide adequate protection.

Eye Protection: Safety glasses with sideshields, goggles or faceshield depending on activities performed.

Industrial Hygiene: Maintain good housekeeping. Rinse gloves after use and allow to dry. Wash hands and exposed skin after contact. Avoid contact with food or food preparation surfaces. Remove and wash contaminated clothing.

Protection against fire and explosions: No special requirements. Not hazardous under normal storage and use conditions.

## SECTION VIII – TOXICOLOGICAL INFORMATION

Carcinogenicity:      NTP: No      IARC Monographs: No      OSHA Regulated: No

## SECTION IX – INFORMATION ON ECOLOGICAL EFFECTS

Product is completely biodegradable. Do not apply to surface water bodies.

## SECTION X - DISPOSAL CONSIDERATIONS

**Disposal:** Dispose of in accordance with current local authority regulations.

## SECTION XI - TRANSPORT CLASSIFICATION

**DOT Hazard Class:** NA  
**DOT Label:** NA  
**DOT Proper Shipping Name:** NA  
**Reportable Quantity:** NA  
**IMDG:** Not dangerous goods  
**IATA:** Not dangerous goods

## **SECTION XII – REGULATORY INFORMATION**

Canadian WHMIS: DSL Compliant  
CA PROPOSITION 65: Not listed  
This material has not been identified as a carcinogen by NTP, IARC, or OSHA.  
TCCA Status: Listed.  
SARA 302/304/311/312 extremely hazardous substances: None.  
SARA 302/304 emergency planning and notification: None.  
SARA 302/304/311/312 hazardous chemicals: None.  
SARA 311/312 MSDS distribution, chemical inventory, hazard identification: None.  
SARA 313 toxic chemical notification and release reporting: None.  
CWA: None.  
CAA 112: None.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR) and the MSDS contains all the information required by the CPR.

## **SECTION XIII - FURTHER INFORMATION**

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. Information presented is based on product information from source supplier(s). Hazard determinations by these organizations were used for the development of this MSDS. 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.

ND=Not Determined / No Data  
NA=Not Applicable

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This sheet expires in 3 years from the last shown creation or revision date.