

MATERIAL SAFETY DATA SHEET

Innovative Remediation Technologies, Inc.
P.O. Box 824
Westminster, MD 21158
717 359 1915
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PRODUCT INFORMATION

Product Name: **BER Bacteria**

The product is a blend of non-pathogenic, naturally occurring bacteria in an inert, brown liquid matrix of vermiculite. These bacteria are specifically produced to consume various organic products when placed in the proper environment.

INGREDIENTS

Composition	CAS Registry Number
Bacterial culture	None
Water	7732-18-5
Proprietary blend of inert materials	
Contains < 1 %: Crystalline silica	14808-60-7
Quartz	

PHYSICAL DATA

Appearance and odor: Tan to brown liquid with a musty odor.
Boiling point: Not applicable.
Solubility: Forms a suspension in water containing viable bacteria.
Specific gravity: Not applicable.
Vapor pressure: Not applicable.

FIRE AND EXPLOSION INFORMATION

Flash point: Not applicable.
Autoignition temperature: Not applicable.
Flammable limits in air: Non-flammable.
Extinguishing media: Not applicable.
Unusual fire and explosion hazards: None.
Special fire fighting procedures: None required.

HEALTH INFORMATION

General: Non-pathogenic bacteria commonly found in water and soil.
Threshold limit value: None established.
Eyes: This material may cause eye irritation. Organisms used are non-pathogenic but can cause infection when in contact with open wounds. These organisms are susceptible to most commonly used antibiotics.
Skin: Slight redness on hands and forearms if individual has a history of dermal allergic reaction. Dermatitis and skin sensitization can develop after repeated and /or prolonged skin contact. Product will not be absorbed through skin.
Inhalation: This product poses no threat by inhalation in its received state. However, this product can irritate nose and throat if allowed to dehydrate to a dust. Bacterial products produced in water from this product may produce irritation of respiratory tract as an aerosol.

EMERGENCY AND FIRST AID PROCEDURES

Eyes: Immediately flush with plenty of water for at least 15 minutes and have eyes examined and treated by medical personnel.

Skin: Remove contaminated clothing and footwear. Wash material off the skin with plenty of soap and water. Wash clothing and footwear before re-use.

Inhalation: Remove victim to fresh air. Drink water to clear throat and blow nose if inhaled in dust form.

REACTIVITY DATA

Stability: Stable under normal conditions.

Incompatibility: Strong acids, alkali, or pure solvent compounds may inactivate biological cultures.

Hazardous polymerization: Will not occur.

Hazardous decomposition products: None.

SPILL OR LEAK PROCEDURES

Flush to waste treatment sewer for spills if possible since the material is biodegradable. Disposal of this product or its residues must be in accordance with all local, state, and Federal requirements.

PERSONAL PROTECTION INFORMATION

Eyes: Safety glasses with side shields or goggles recommended.

Skin: Clothing covering the arms and legs as well as protective gloves should be worn.

Respiratory: If allowed to dry may need to use OSHA-NIOSH approved dust mask.

SPECIAL PRECAUTIONS

Do not store product near extreme heat to prevent denaturing of viable bacteria. Refrigerate if possible to extend shelf life. Otherwise, store at room temperature.

The information herein is given in good faith, but no warranty, expressed or implied, is made.

EMERGENCY CONTACT:

Call Innovative Remediation Technologies, Inc. - 8am to 5pm 540-230-4717.