MATERIAL SAFETY DATA SHEET
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Section 1: IDENTIFICATION OF THE SUBSTANCE

Commercial Product Name: AFTERSHOCK
Description: Off-White powder blend of oxygen-enhanced microbes.

Section 2: COMPOSITION/INFORMATION ON INGREDIENTS

This product is a powder containing naturally-occurring viable bacterial cultures in a salt-based carrier.
Hazardous Ingredients:

Name	***CAS #***	***OSHA PEL***	***ACGIH TWA***	***% BY WEIGHT***
Calcium Peroxide	1305-79-9	n/a	3mg/m3	<10%
Calcium Hydroxide	1305-62-0	5mg/m3	5mg/m3	<5%

Section 3: HAZARDS IDENTIFICATION

Ingestion: It may cause severe irritation, nausea, abdominal pain, vomiting and diarrhea
Skin Contact: Skin irritant. It may cause skin dryness or cracking on repeated exposure.
Eye Contact: Severe eye irritant. It may cause redness or swelling and irreversible damage.
Inhalation: Inhalation of dust may cause irritation to mucous membranes , nose and throat, shortness of breath, tightness of chest, sore throat, and cough.

Section 4: FIRST AID MEASURES

Eye Contact: Rinse immediately with plenty of water for at least 15 minutes holding the eyelids open. Call a physician immediately.
Skin Contact: Wash off immediately with plenty of soap and water. Remove contaminated clothing and wash before re-use. If any irritation occurs and symptoms persist, call a physician.
Inhalation: Move the exposed person to fresh air. If any symptoms develop or persist, call a physician.
Ingestion: Rinse mouth and throat thoroughly with water. Do NOT induce vomiting.
Seek medical attention if irritation or any other symptom persists.

Section 5: FIRE FIGHTING MEASURES

Extinguishing Media: During thermal decomposition, this product will release oxygen that may support combustion. Contact with flammable and/or combustible materials may cause fire and/or explosions. Water and water spray are the preferred extinguishing media.
Protective Equipment: Wear suitable respiratory and personal protective equipment in the event of a fire. Cool containers with water spray.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear disposable gloves, NIOSH approved dust mask, and eye protection. Keep away from incompatible products.
Environmental Precautions: Prevent the release into the environment of large quantities. Flush limited quantities into sewer with plenty of water.
Clean up Method: Sweep up. Transfer to suitable, labelled containers for reuse or disposal. Avoid dust formation. Clean spillage area thoroughly with plenty of water and wash residue to drain.

Section 7: HANDLING AND STORAGE

Handling: Avoid dust formation and do not breath. Avoid contact with eyes an skin. Keep away from incompatible products. Adopt good chemical hygiene practices when handling, carrying and dispensing.
Storage: Keep in tightly closed original containers in cool, dry, ventilated area. Keep in original containers and tightly closed. Store the product labelled correctly, an keep away from children, food items, drinking water, heat, sparks, and open flames.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits: Refer to Section 2 of this MSDS.
Engineering Measures: Ensure adequate ventilation of the working area and monitor the occupational exposure limits.
Respiratory Protection: If airborne dust generated, wear suitable NIOSH approved dust mask.
Hand Protection: Wear chemical resistance gloves (PVC, neoprene or butyl).
Eye Protection: Safety glasses or chemical goggles must be worn.
Hygiene Measures: Do not eat, drink, or smoke while using the product. Wash all contaminated clothing before re-use. Wash hands after each use. Do not ingest. Handle in a accordance with good industrial hygiene and safety practices.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Off-white to slightly yellow powder
Odor:	Mild Characteristic
pH (1% solution):	8.5-9.5
Water Solubility:	Dispersible
Boiling Point:	No data available
Melting Point:	No data available
Flash Point:	None
Flammability:	Non-flammable
Vapor Pressure:	No data available
Bulk Density:	No data available

Section 10: STABILITY AND REACTIVITY

Stability:	Stable under normal conditions. Minor potential for exothermic hazard.
Conditions to avoid:	Exposure to moisture and temperatures in excess of 120deg. F
Hazardous Decomposition Products:	Possible oxides of carbon (CO, CO2) and oxygen. Strong acids and alkalis, and strong oxidizing agents may react with product and inactivate bacterial cultures. Incompatible also with flammable and combustible materials.
Hazardous Polymerization:	Will not occur.

Section 11: TOXICOLOGICAL INFORMATION

Acute Oral LD50:	Not known for mixture.
Pathogenic Risk:	Viable bacterial cultures are Class 1 and non pathogenic.
Carcinogenicity:	***IARC:*** NO ***NTP:*** NO ***OSHA:***NO

Section 12: ECOLOGICAL INFORMATION

Eco-toxicity: This product is not expected to be dangerous to the environment with respect to mobility, persistency and biodegradability, bio-accumulative potential, aquatic toxicity, and other data related to eco-toxicity.

Section 13: DISPOSAL CONSIDERATIONS

General Information: Dispose of in compliance with Federal, State and/or current local authority regulations.

Section 14: TRANSPORT INFORMATION

Further Information: This product is classified as a non-hazardous powder for transport.

Section 15: REGULATORY INFORMATION

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

All components in this product are listed on or exempt from reporting under the United State's Toxic Substances Control Act (TSCA).

Section 16: OTHER INFORMATION

Hazardous Material Information System (HMIS)	HEALTH	1
	FLAMMABILITY	0
	PHYSICAL HAZARD	1
	PERSONAL PROTECTION	E

ADDITIONAL INFORMATION

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication, however, no guarantee is made to its accuracy. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any other process.

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