

GRAYMILLS CORPORATION
MATERIAL SAFETY DATA SHEET

NFPA HAZARD RATING	
HEALTH	0
FLAMMABILITY	0
REACTIVITY	0

IDENTITY: **BIO-POUCH**
Microbial Pouch

SECTION I

MANUFACTURED FOR: Graymills Corporation 3705 N. Lincoln Avenue Chicago, Illinois 60613 (773) 248-6825	EMERGENCY #: 1-800-424-9300 (CHEMTREC) DATE PREPARED: July 7, 2011 PREPARED BY: Robert E. Schmalz, Jr. PREPARERS SIGNATURE: <i>Robert E. Schmalz, Jr.</i>
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SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS: Viable bacterial culture fermented on corn/wheat 90%, soda Ash 10%

SECTION III- PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE:	N/A	BULK DENSITY:	.6-.8 g/CC
VAPOR PRESSURE:	N/A	MELTING POINT:	N/A
VAPOR DENSITY (AIR=1):	N/A	VOC CONTENT:	N/A

SOLUBILITY IN WATER: Moderate – disperses in water
 APPEARANCE & ODOR: Granular powder; light blue color, yeast-like odor

SECTION IV- FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): N/A
 FLAMMABLE LIMITS:
 LEL: N/A
 UEL: N/A
 SPECIAL FIRE FIGHTING PROCEDURES: Self contained breathing apparatus.
 EXTINGUISHING MEDIA: Water

SECTION V- REACTIVITY DATA

STABILITY: Unstable Stable
 CONDITIONS TO AVOID: Prolonged accumulation in confined area. Shelf life 2 years.
 INCOMPATIBILITY: Acids or alkalis— will inactivate biological cultures.

HAZARDOUS DECOMPOSITION OF BYPRODUCTS: N/A

HAZARDOUS POLYMERIZATION: May Occur Will not Occur

SECTION VI- HEALTH HAZARD DATA

HEALTH HAZARDS (Acute & Chronic): Wash hands with soap & water after handling; avoid direct skin contact or inhalation; allergic reactions to enzymes may occur to sensitive individuals.

CARCINOGENICITY:
 NTP: N/A IARC MONOGRAPHS: N/A OSHA REGULATED: N/A

SIGNS & SYMPTOMS OF EXPOSURE: Irritation to skin, eyes and throat.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Individuals allergic to enzymes or other related proteins should not handle.

EMERGENCY & FIRST AID PROCEDURES:

Eye Contact: May cause irritation if dust gets into eye, irrigate with water for 15 minutes with lid open. Seek medical attention.
Skin contact: Wash affected area with large amounts of soap and water until no evidence of chemical remains. Seek medical attention if rash occurs. Exposure can cause irritation in sensitive individuals.
Inhalation: Can cause irritations. Remove to fresh air and observe. Seek medical attention.
Ingestion: Considered non-toxic but can lead to nausea or diarrhea.
First Aid: Give two glasses of water to dilute product, do not induce vomiting. Contact physician immediately.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Sweep up/collect - avoid direct skin contact and/or direct inhalation of dust. Dispose of properly.

WASTE DISPOSAL METHOD:

Unused: No special disposal method.
Used: Dispose of in accordance with Federal, State and Local Regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING: Keep dry and at room temperature. Avoid direct skin contact.

OTHER PRECAUTIONS: Keep out of reach of children.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION (SPECIFY TYPE): Not required.

VENTILATION

LOCAL EXHAUST: Adequate ventilation should be provided.
SPECIAL: Not required.
MECHANICAL (GENERAL): Not required.

PROTECTIVE GLOVES: It is recommended that rubber gloves be worn when handling any industrial-use products.

EYE PROTECTION: It is recommended that safety goggles be worn when handling any industrial-use products.

WORK/HYGIENIC PRACTICES: Always use good housekeeping procedures when using any industrial product.

SECTION IX - ADDITIONAL INFORMATION

BIODEGRADABILITY: Biodegradable
DOT Class: Not required
DOT Identification Number: Not required

SECTION X - BIOLOGICAL HAZARD DATA

MICROBIAL FORMULATION: The product formulation contains a range of naturally-occurring microorganisms which are known to be non-pathogenic to man or animals.
OTHER: The product has been shown to be free of Salmonella and Shigella using the procedures outlined by AOAC and the USDA.

SARA TITLE III REPORTING REQUIREMENTS

SECTION 302 - EXTREMELY HAZARDOUS SUBSTANCES	Reporting not required.
SECTION 304 - HAZARDOUS RELEASES	Reporting not required.
SECTION 311 - COMMUNITY RIGHT-TO-KNOW	Reporting not required.
SECTION 312 - R-T-K INVENTORY DATA	Reporting not required.
SECTION 313 - EMISSIONS AND RELEASE	Reporting not required.

*THE DATA PRESENTED IS TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE AND BELIEF.
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