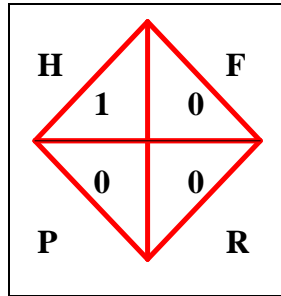


MATERIAL SAFETY DATA SHEET

EFFECTIVE DATE: 10-1-07

HMIS/NFPA HAZARD RATING

H= Health
F = Fire
R = Reactivity
P = Personal Protection

**HAZARD CODE:**

0= Least
1 = Slight
2 = Moderate
3 = High
4 = Extreme

Section 1. Chemical Product and Company Identification

Reference: Microbial Gel Capsule

This Material Safety Data Sheet (MSDS) was prepared for the above referenced Microbe Gel Capsule. The Microbial gel Capsule contains nonhazardous, mixed bacterial cultures, enzymes and nutrients on a vegetable base.

Company Identification:

ZYMO USA Inc.
PO Box 9240
Flening Island, FI 32006
Tel: (904-213-7994
Fax: (206)-350-2871

Name of Preparer: Rob Whiteman**Section 2. Composition / Information on Ingredients****Microbial Gel Capsule:**

- * OSHA Hazardous Components: (None)
- * Significant non-hazardous components: (Bacterial cultures, enzymes, and nutrients)
- * Specific formulation is proprietary

Section 3. Hazards Identification

Emergency Overview: The Microbial Gel Capsule is characterized as:

- * Free flowing, tan-brown granular powder.
- * Biodegradable.
- * Non-hazardous.
- * Non-flammable
- * No explosion hazard

Potential Health Effects:

- * **Health** - None indicated.
- * **Eyes** - May cause slight irritation to the eyes - flush with clean water.
- * **Skin** - Allergic reactions to enzymes may occur in hypersensitive individuals.
- * **Ingestion** - Slight irritation to digestive tract. Do not eat.
- * **Inhalation** - Do not breath dust. Allergic reactions to enzymes may occur in hypersensitive individuals.

Section 4. First Aid Measures

- * **Eyes** - Flush eyes with plenty of water for 15 minutes if contact occurs. It is also recommended to have medical personnel check your eyes afterwards.
- * **Skin** - If irritation occurs, wash exposed areas with soap and water and discontinue use.
- * **Ingestion** - Do not induce vomiting. Call a physician.
- * **Inhalation** - Remove to fresh air.

Section 5. Fire Fighting Measures

Fire and Explosion: The Microbial Gel Capsule is not considered a Fire and Explosion hazard.

- | | | |
|--------------------------------------|-----------------|-----------------|
| * Flammable Limits | LEL: <u>N/A</u> | UEL: <u>N/A</u> |
| * Special Fire Fighting Procedures: | None | |
| * Unusual Fire and Explosion Hazards | None | None |
| * Flash Point | None | |

LEL - Lower explosive limit.

UEL - Upper explosive limit.

Section 6. Accidental Release Measures

Steps to be taken in case material is released or spilled:

Spills: Sweep up and collect: avoid skin contact and/or direct inhalation of dust.

Waste Disposal Method: See Section 13 and 14 for information.

EPA Reportable Quantity (RQ) 40CFR302 (CERCLA 104): N/A

EPA Toxic Chemical Release Reporting: 40CFR372 (SARA 313):

* CHEMICAL	N/A
* CAS NO.	N/A
* % In Product	N/A

Section 7. Handling and Storage

Precautions to be taken in handling and storing: Microbial Gel Capsule should be kept dry and at room temperature. Avoid direct skin contact.

Other Precautions: Do not ingest. Avoid dust. Wash hands with soap and water after use. Individuals hyperallergic to enzymes or other related proteins should not handle.

Keep this and all chemicals out of reach of small children.

Section 8. Exposure Controls, Personal Protection

* Respiratory Protection (Specify type):	Not required.
* Ventilation (General):	Not required.
* Protective Gloves:	Not required.
* Eye Protection:	Not required.
* Protective Clothing or Equipment:	Not required.
* Other/Hygienic Practices:	Always use good housekeeping procedures when using any chemical products. Personal cleanliness is always appropriate. Frequent washing minimizes inadvertent exposure.

Section 9. Physical and Chemical Properties

* Appearance:	Free flowing, tan-brown powder
* Odor	Yeast-like odor
* Physical State:	Solid
* Vapor Pressure:	N/A
* Vapor Density:	N/A
* Melting Point:	N/A
* Viscosity	N/A
* Percent Volatiles:	N/A
* Molecular Weight:	N/A
* Boiling Point:	N/A
* Specific Gravity:	0.66 - 0.77gm/cm ³
* Solubility in Water:	Not determined
* pH:	Not determined

Section 10. Stability and Reactivity

* Stability:	Stable
* Conditions to Avoid:	Avoid exposure to moisture. DO NOT WET UNTIL READY TO USE.
* Materials to Avoid:	None known
* Hazardous Decomposition or Combustion Products:	None known
* Hazardous Polymerization:	Will not occur.

Section 11. Toxicological Information

* Acute Oral Effects:	Not determined.
* Acute Dermal Toxicity:	Not determined.
* Multiple Dose Dermal Toxicity:	Not determined.
* Inhalation Toxicity:	Not determined.
* Eye Irritation:	Not determined.
* Skin Irritation:	Not determined.
* Sensitization:	Not determined.
* Mutagenesis:	Not determined.

Section 12. Ecological Information

No data are available on the adverse effects of this material on the environment. The components of the Microbial Gel Capsule are biodegradable. No short term or long term effect on the environment is expected.

Section 13. Disposal Considerations

Solid Waste:

- * Always contact your local landfill for disposal requirements on any solid waste.
- * Disposal should always meet all local, state, and federal environmental regulations.

Section 14. Transport Information

The Microbial Gel Capsule is not a Department of Transportation (DOT) Hazardous Material.

Section 15. Regulatory Information

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 (C-R-K) | Reporting not required. |
| * Section 312 - (R-T-K) Inventory Data | Reporting not required. |
| * Section 313 - Emission and Release | Reporting not required. |

Section 16. Other Information

Permissible Exposure References: (1) Registry of Toxic Effects of Chemical Substances Title 29 Code of Federal Regulations
(2) National Toxicology Program (NTP) Report on Carcinogens
(3) International Agency for Research on Cancer (IARC) Monographs

Regulatory Standards: DOT Title 49 Code of Federal Regulations 172.101
SARA Title III

Information Contact: ZYMO USA Inc.
PO Box 9240
Fleming Island, FL 32006
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