

MATERIAL SAFETY DATA SHEET

REVISION DATE: 04/18/2012 REVISION NUMBER:

DATE PRINTED: 03/18/2013 PREPARED BY: FH&S DEPARTMENT

1. CHEMICAL PRODUCT

PRODUCT NAME: DFE BIOZYME

PRODUCT CODE: 118955

NFPA/HMIS HAZARD CODES(minimal=0; slight=1; moderate=2; serious=3; severe=4)

 Health:
 1/1
 Fire:
 0/0

 Reactivity:
 0/0
 Special/Protective Equipment:
 None/B

NAME OF THE Rochester Midland Corporation Em

MANUFACTURER: 155 Paragon Drive

Rochester, New York 14624

USA

Emergency Phone:

INFOTRAC: 1-800-535-5053 OUTSIDE US: 1-352-323-3500

2. HAZARDS IDENTIFICATION

EFFECTS FROM ACUTE EXPOSURE:

INGESTION: Causes vomiting, nausea, and diarrhea.

SKIN CONTACT: Prolonged contact may lead to irritation and dermatitis.

INHALATION: Inhalation of dust or mist may cause nose and respiratory irritation.

EYE CONTACT: May cause irritation and redness.

CHRONIC EFFECTS: Dermatitis. Possible respiratory damage from inhalation of dust or mist.

EFFECTS/CARCINOGENICITY: None listed under OSHA, IARC, or NTP.

ROUTES OF ENTRY: Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION CAS#	%	ACGIH TLV	OSHA PELs
Viable Bacterial Cultures (Largely Water) MIXTURE	20 - 30	Not applicable	Not applicable

4. FIRST AID MEASURES

INGESTION: If swallowed, call a physician immediately. Only induce vomiting at the instruction of a

physician. Never give anything by mouth to an unconscious person.

SKIN: Wash with soap and water. Flush skin with large amounts of water. If irritation persists, get

medical attention.

INHALATION: If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-

mouth. If breathing is difficult give oxygen. Get medical attention.

EYES: In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least

15 minutes and get medical attention immediately after flushing.

NOTES TO PHYSICIAN: None.

5. FIRE AND EXPLOSION HAZARD DATA

DFE BIOZYME

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: (F): None to boiling (C): None

to boiling None

FLAMMABLE LIMITS IN AIR

METHOD:

LOWER (%):

UPPER (%):

No data

No data

SENSITIVITY TO MECHANICAL IMPACT(Y/N): NO

SENSITIVITY TO STATIC DISCHARGE: Sensitivity to static discharge is not expected. As for surrounding fire. Product will not burn.

FIRE FIGHTING PROCEDURES: Fire-fighters should wear self-contained breathing apparatus and

full protective clothing when fighting chemical fires.

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:

SMALL SPILLS: Reclaim as much as possible.

LARGE SPILLS: Reclaim as much as possible. Shovel or sweep up residue and place in suitable containers.

PERSONAL PRECAUTIONS: Not applicable ENVIRONMENTAL PRECAUTIONS: Not applicable METHODS FOR CLEANING UP: Not applicable

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKENIN HANDLING AND STORAGE:
Store in a dry location away from heat and direct sunlight. Avoid contact with eyes, skin and clothing. Store only in original container and keep closed. Wash hands before eating and

smokina.

OTHER PRECAUTIONS: Do not reuse container. Empty containers may retain product residue, follow MSDS/label

precautions even after container is emptied. Read and follow label instructions.

SPECIFIC USE(S): Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



EXPOSURE CONTROLS: Use in a well ventilated area. RESPIRATORY PROTECTION: None normally required.

PROTECTIVE GLOVES: Rubber or plastic gloves recommended to minimize skin contact.

EYE PROTECTION: Goggles. Face shield.

OTHER PERSONAL PROTECTION

Eyewash fountains and safety showers must be easily accessible.

EQUIPMENT:

VENTILATION: General mechanical and/or local exhaust as needed to meet exposure limits if mist in air.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear. Light yellow liquid. Mild odor.

BOILING POINT (F): 212°C **(C)** 100° C

VAPOR PRESSURE:
VAPOR DENSITY (AIR=1):
SOLUBILITY IN WATER:
SPECIFIC GRAVITY:
VOC Content (%):
EVAPORATION RATE:
Not determined
PH:
7.5 - 9.75

DFE BIOZYME

10. STABILITY AND REACTIVITY

STABILITY DATA: STABLE
POLYMERIZATION: Will Not Occur.
HAZARDOUS DECOMPOSITION: Oxides of Carbon.

INCOMPATIBILITY (MATERIALS TO Contact with oxidizing agents.

AVOID):

CONDITIONS/HAZARDS TO AVOID: Strong acids or alkali compounds may inactivate biological cultures.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: Not Established EFFECTS OF CHRONIC EXPOSURE: Not established. OTHER TOXIC EFFECTS: Not established.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL No data at this time

INFORMATION:

CHEMICAL FATE INFORMATION: No data at this time.

MOBILITY: Not applicable.

PERSISTENCE/DEGRADABILITY: Not applicable
BIOACCUMULATIVE POTENTIAL: Not applicable
OTHER ADVERSE EFFECTS: Not applicable

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS: Dispose in accordance with Federal, State and Local regulations.

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/Receiving documents for up to date shipping information.

15. REGULATORY INFORMATION

PRODUCT COMPOSITION CAS#	%	TSCA:	EINECS:	Canada DSL:	CA PROP 65:
Viable Bacterial Cultures (Largely Water) MIXTURE	20 - 30	Not Listed	Not Listed	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	% CERCLA:		SARA 302:	SARA 313:
Viable Bacterial Cultures (Largely Water) MIXTURE	20 - 30	Not Listed	Not Listed	Not Listed

None of the components of this material are included in the Massachusetts Substance List nor are present at or above reportable levels.

None of the components of this material are included in the New Jersey Substance List nor are present at or above reportable levels. None of the components of this material are included in the Pennsylvania Substance List nor are present at or above reportable levels.

16. OTHER INFORMATION

This information was compiled from current, reliable sources and is believed to be correct. As data, and/or regulations change, and conditions of use and handling are beyond our control, no warranty, express or implied, is made as to completeness or continuing accuracy of this information.

DFE BIOZYME

*** END OF MSDS ***