



SAFETY DATA SHEET

Product: MARC 77 MICRO-ZYME

Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: MARC 77 MICRO-ZYME

SDS DATE: 8/13/12

SUPPLIER: Mid-American Research Chemical Corp.

ADDRESS: P. O. Box 927 Columbus, NE 68602-0927

PHONE: 402-564-7104 FAX: 402-563-1290

EMERGENCY PHONE: InfoTrac 1-800-535-5053

E-MAIL: marc@marc1.com WEBSITE: www.marc1.com

RECOMMENDED USE: Promotes natural digestion of waste in septic tanks.

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Irritant (eye) (skin)

SIGNAL WORD AND PRECAUTIONARY STATEMENTS: Eye and skin irritant.

POTENTIAL HEALTH EFFECTS: See Section 11 for more information.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Specific percentages may be claimed as a trade secret.

INGREDIENT
Nonyl Phenol Ethoxylate

CAS NO.
9016-45-9

TLV
not est.

SECTION 4: FIRST AID MEASURES

EYES: Immediately flush with water for 15 minutes. Get medical attention if irritation persists.

SKIN: Immediately flush off skin with water. Get medical attention if irritation persists.

INGESTION: If swallowed, call a physician immediately.

INHALATION: If mist is generated, get fresh air.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: N/A

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: None.

SPECIAL FIRE FIGHTING PROCEDURES: None.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon oxides.



SAFETY DATA SHEET

Product: MARC 77 MICRO-ZYME

Form R04132

SECTION 6: ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES: Flush to sewer.

PROTECTIVE EQUIPMENT: Use personal protective devices as stated in Section 8.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Same as emergency procedures. in accordance with governmental regulations.

SECTION 7: HANDLING AND STORAGE

GENERAL HANDLING: Do not contact sores or broken skin. Do not take internally.

OTHER PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN!! CAREFULLY READ ENTIRE LABEL BEFORE USE.

STORAGE: N/A

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>TLV</u>
Nonyl Phenol Ethoxylate	9016-45-9	not est.

ENGINEERING CONTROLS: N/A

MECHANICAL: N/A

OTHER: N/A

VENTILATION: N/A

RESPIRATORY PROTECTION: N/A

EYE PROTECTION: Goggles.

SKIN PROTECTION/PROTECTIVE GLOVES: Rubber or nitrile gloves.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: N/A

WORK HYGIENIC PRACTICES: Wash with soap and water after use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE-
PHYSICAL STATE/COLOR:** Tan-colored liquid.
ODOR: Spicy, pleasant fragrance
pH: Neutral
SOLUBILITY IN WATER: Complete
SPECIFIC GRAVITY: 1
MELTING POINT: N/A
FREEZING POINT: N/A
BOILING POINT: 212°F



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Product: MARC 77 MICRO-ZYME

Form R04132

FLASH POINT/METHOD USED: None
EVAPORATION RATE: 1 (water = 1)
FLAMMABILITY LIMITS: Non-flammable, non-combustible
VAPOR PRESSURE (mmHg): N/D
VAPOR DENSITY (AIR = 1): N/D
**PARTITION COEFFICIENT,
n-OCTANOL/WATER:** N/A
AUTO-IGNITION TEMPERATURE: N/A
DECOMPOSITION TEMPERATURE: N/A
VISCOSITY: N/A

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: None

STABILITY: Stable

CONDITIONS TO AVOID: N/A

INCOMPATIBILITY (MATERIAL TO AVOID): Effectiveness is destroyed by acids and alkalies.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon oxides.

HAZARDOUS POLYMERIZATION: No

CONDITIONS TO AVOID (POLYMERIZATION): N/A

SECTION 11: TOXICOLOGICAL INFORMATION

EYES: Possible eye Irritation.

SKIN: Possible skin Irritation.

INGESTION: Do not contact sores or broken skin.

INHALATION: Respiratory conditions if mist is generated.

ACUTE HEALTH HAZARDS: Irritation.

CHRONIC HEALTH HAZARDS: Irritation.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Respiratory conditions if mist is generated.

CARCINOGENICITY: No.

TOXICITY TO ANIMALS: Not applicable.

SECTION 12: ECOLOGICAL INFORMATION

TOXICITY: Not Available.

DEGRADABILITY: Not Available.



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SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with governmental regulations.

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION (for ground/non-bulk containers)

CONTAINER SIZES(S): Quarts
PROPER SHIPPING NAME: COMPOUND, CLEANING LIQUID.
HAZARD CLASS: N/A
ID NUMBER: N/A
PACKING GROUP: N/A
LABEL STATEMENT: NONE

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): Not Applicable

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Not Applicable

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): Not Applicable

311/312 HAZARD CATEGORIES: Not Applicable

313 REPORTABLE INGREDIENTS: Not Applicable

SECTION 16: OTHER INFORMATION

HMIS/NFPA Ratings: Health = 0
Flammability = 0
Reactivity = 0
Other = -
Protection = -

REVISION DATE: 8/13/12

DISCLAIMER: While the information contained herein is believed to be correct, no warranties are made with respect thereto, and all liability from reliance thereon is disclaimed.