



SAFETY DATA SHEET

Product: MARC 250 SUPER-ZYME

Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: **MARC 250 SUPER-ZYME**

SDS DATE: 12/26/2018

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: Bacterial Enzyme Sewage Treatment

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Acute toxicity-oral-category 4; serious eye irritation-category 2A, skin sensitization-category 1.



SIGNAL WORD, HAZARD AND PRECAUTIONARY STATEMENTS: **WARNING:** May cause allergic skin reaction. Causes eye Irritation. May be harmful if swallowed. Do not get into eyes, on skin, in mouth or on to clothing. Wash hands thoroughly after handling. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN: Gently wash with plenty of soap and water. IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell. Storage: Store out of direct sunlight under 122°F. Dispose of in accordance with local, state and federal regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>ACGIH TLV/TWA</u>	<u>%</u>
Nonyl Phenol Ethoxylate	9016-45-9	Not Est.	1-4

All components appear on the TSCA inventory. Components not listed are either non-hazardous or in concentrations of less than 1%.

SECTION 4: FIRST AID MEASURES

EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If irritation persists, seek medical advice.

SKIN: Wash the product off the skin with soap and water. If irritation develops seek medical advice.

INGESTION: Seek medical advice if you feel unwell.

INHALATION: Move person to fresh air and avoid breathing mist from product. If breathing problems develop, seek the care of a Physician.

GENERAL: As with any chemical, employees should thoroughly wash hands with soap and water after handling this material.

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Water spray, carbon dioxide, and dry chemical powder.

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: Not known.

SECTION 6: ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES: Contain and collect material. Place in proper container for reuse or disposal. See Section 13 for Waste Disposal.



SAFETY DATA SHEET

Product: MARC 250 SUPER-ZYME

Form R04132

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

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Same as Emergency Procedures.

SECTION 7: HANDLING AND STORAGE

GENERAL HANDLING: Contain and collect material,. Place in proper container for reuse or disposal. As with any chemical, employees should thoroughly wash hands with soap and water before handling food or smoking.

OTHER PRECAUTIONS: **KEEP OUT OF REACH OF CHILDREN, FOOD ITEMS AND POTABLE WATER!! CAREFULLY READ ENTIRE LABEL BEFORE USE!**

STORAGE: Store in cool, dry and well-ventilated area.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>ACGIH TLV/TWA</u>	<u>%</u>
Nonyl Phenol Ethoxylate	9016-45-9	Not Est.	1-4

All components appear on the TSCA inventory. Components not listed are either non-hazardous or in concentrations of less than 1%.

ENGINEERING CONTROLS:

VENTILATION: Local exhaust should be sufficient. If used in a manner that creates a mist, mechanical ventilation may be necessary.

RESPIRATORY PROTECTION: None required for normal use.

EYE PROTECTION: Safety glasses with side shields or splash goggles are recommended.

PROTECTIVE GLOVES: Recommended. Disposable nitrile exam gloves are suitable for preventing prolonged contact with the skin.

SKIN PROTECTIVE CLOTHING OR EQUIPMENT: None required. However, avoid prolonged contact with the skin from soiled clothing.

WORK HYGIENIC PRACTICES: Practice good personal hygiene practices when working with any chemical. Wash hands thoroughly after use and handling.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE-

PHYSICAL STATE: Liquid
COLOR: Tan
ODOR: Apricot
ODOR THRESHOLD: N/A
pH: 7.0 - 9.0
FREEZE/THAW STABILITY: Excellent. Store above freezing. Do not subject to repeated freeze/thaw cycles.
MELTING POINT: N/A
BOILING POINT: 212°F
FLASH POINT: None
FLASH POINT METHOD USED: LEL: N/A UEL: N/A
EVAPORATION RATE: 0.2 (BuAc=1)
SPECIFIC GRAVITY: 1.0
VAPOR PRESSURE (mmHg) : N/D
VAPOR DENSITY (AIR = 1): N/D
SOLUBILITY IN WATER: Complete
LOG POW (n-OCTANOL/
WATER PARTITION COEFFICIENT) N/A
AUTO-IGNITION TEMPERATURE: N/A
DECOMPOSITION TEMPERATURE: N/A
VISCOSITY: N/A



SAFETY DATA SHEET

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Form R04132

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: None

STABILITY: Stable

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

INCOMPATIBILITY (MATERIAL TO AVOID): Not known.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Not known.

HAZARDOUS POLYMERIZATION: Does not occur. **CONDITIONS TO AVOID (POLYMERIZATION):** NA

SECTION 11: TOXICOLOGICAL INFORMATION

EYES: This product may cause eye irritation.

SKIN: Could cause mild skin irritation after prolonged contact.

INGESTION: Ingestion may result in abdominal pain, nausea and vomiting.

INHALATION: Inhaling mist from this product could cause irritation to the lungs and mucus membranes.

ACUTE EFFECTS: N/A

CHRONIC EFFECTS: N/A

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known. However, persons with respiratory problems should avoid breathing any mist from this product.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: N/A

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Dispose of materials in accordance with all federal, state and local laws.

SECTION 14: TRANSPORT INFORMATION

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

CONTAINER SIZES(S): All Sizes
PROPER SHIPPING NAME: COMPOUND, CLEANING LIQUID
HAZARD CLASS: None
ID NUMBER: None
PACKING GROUP: None
LABEL STATEMENT: None

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): N/A

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): N/A

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): N/A



SAFETY DATA SHEET

Product: MARC 250 SUPER-ZYME

Form R04132

311/312 HAZARD CATEGORIES: N/A

313 REPORTABLE INGREDIENTS: N/A

SECTION 16: OTHER INFORMATION

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

REVISION DATE: 12/26/2018/

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.