



# SAFETY DATA SHEET

Product: MARC 226 BIO-ZYME CLEANER SPOTTER

Form R04132

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: MARC 226 BIO-ZYME CLEANER-SPOTTER

SDS DATE: 1/16/15

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: A biodegradable multi-purpose neutral cleaner for one-step cleaning and deodorizing for restrooms, hospitals, kitchens, kennels, dumpsters, nursing homes, locker rooms, carpets, etc., and a variety of other uses.

PREPARED BY: MARC

## SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Irritant (eye) (skin). May be harmful if swallowed.

SIGNAL WORD AND PRECAUTIONARY STATEMENTS: **WARNING:** 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.

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

## 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 attention.

**SKIN:** Wash with plenty of soap and water. If skin irritation or rash occurs, seek medical advice. Wash contaminated clothing before reuse.

**INGESTION:** Call a POISON CENTER or seek medical advice if you feel unwell.

**INHALATION:** Avoid breathing mists.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** N/A

## SECTION 5: FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Water, CO<sub>2</sub>, foam, or media suitable for surrounding fire.

**SPECIAL FIRE FIGHTING PROCEDURES:** Standard firefighting procedures may be followed, including full protective gear, NIOSH approved self-contained breathing apparatus.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None known.

**HAZARDOUS DECOMPOSITION BY-PRODUCTS:** Thermal decomposition on burning may produce toxic vapors or gases.



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## SECTION 6: ACCIDENTAL RELEASE MEASURES

- EMERGENCY PROCEDURES:** Wear appropriate protective equipment. If possible, contain spill and collect in approved container. Rinse affected area thoroughly with water. Keep product out of storm sewers or waterways. Hold for disposal.
- PROTECTIVE EQUIPMENT:** Use personal protective devices as stated in Section 8.
- METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP:** Same as emergency procedures. Dispose of in accordance with local, state and Federal regulations. If possible, triple rinse container, and recycle.

## SECTION 7: HANDLING AND STORAGE

- GENERAL HANDLING:** Avoid contact with skin and eyes. Avoid breathing vapor, spray or mist.
- OTHER PRECAUTIONS:** Use only according to label directions. If unsure about safe use, contact your supervisor immediately.  
**KEEP OUT OF REACH OF CHILDREN! CAREFULLY READ ENTIRE LABEL BEFORE USE!**
- STORAGE:** Store in original container, in cool, dry place with adequate ventilation. Keep container tightly closed when not in use.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Specific percentages may be claimed as a trade secret.

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

- ENGINEERING CONTROLS:** N/A
- VENTILATION :** Local exhaust as necessary.
- RESPIRATORY PROTECTION:** Not expected to be necessary under normal conditions of use. Where exposure cannot be adequately controlled by general or local ventilation, use appropriate respiratory protection to prevent over exposure. An approved dust/mist respirator would be recommended.
- EYE PROTECTION:** Chemical resistant goggles or face shield.
- SKIN PROTECTION/PROTECTIVE GLOVES:** Water impervious (Latex, Neoprene).
- OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Not required.
- WORK HYGIENIC PRACTICES:** Follow OSHA mandated procedures. Never eat or smoke while working with chemicals. Good housekeeping practices apply. Wash thoroughly after handling.



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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE-**  
**PHYSICAL STATE/COLOR:** Clear yellowish liquid.  
**ODOR:** None.  
**SOLUBILITY IN WATER:** Complete  
**SPECIFIC GRAVITY:** 1.00  
**MELTING/FREEZING POINT:** N/A  
**BOILING POINT:** 212°F  
**pH:** 7 - 8  
**FLASH POINT/METHOD USED:** None. Closed cup.  
**EVAPORATION RATE:** 1.0  
**FLAMMABILITY LIMITS:** N/A  
**VAPOR PRESSURE (mmHg):** N/D  
**VAPOR DENSITY (AIR = 1):** >1.0  
**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:** None known.

**INCOMPATIBILITY (MATERIAL TO AVOID):** Do not mix with other chemicals.

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Thermal decomposition on burning may produce toxic vapors or gases.

**HAZARDOUS POLYMERIZATION:** Will not occur. **CONDITIONS TO AVOID (POLYMERIZATION):** None known.

## SECTION 11: TOXICOLOGICAL INFORMATION

**EYES:** May cause irritation or burning sensation.

**SKIN:** May cause irritation. May cause allergic skin reaction.

**INGESTION:** May be harmful if swallowed.

**INHALATION:** N/A

**ACUTE HEALTH HAZARDS:** May be harmful if swallowed. Eye and skin irritant.

**CHRONIC HEALTH HAZARDS:** None known.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** May aggravate skin disorders or respiratory ailments.

**CARCINOGENICITY:** No.

**TOXICITY TO ANIMALS:** Not applicable.



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## SECTION 12: ECOLOGICAL INFORMATION

**TOXICITY:** Not Available.

**DEGRADABILITY:** Not Available.

## SECTION 13: DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:** Dispose of in accordance with local, state and Federal regulations. If possible, triple rinse container, and recycle.

## SECTION 14: TRANSPORT INFORMATION

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

**CONTAINER SIZES(S):** Drums, Gallons, 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

**SARA Title III, Section 313 Components:** Not Applicable

## SECTION 16: OTHER INFORMATION

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

**REVISION DATE:** 1/16/15

**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.