



# SAFETY DATA SHEET

Product: MARC 89 ENZYME BLOCK (all sizes)

Form R04132

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: **MARC 89 ENZYME BLOCK** (all sizes)

SDS DATE: 07/15/2020

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: marc1@marc1.com WEBSITE: www.marc1.com

RECOMMENDED USE: Wastewater treatment.

PREPARED BY: MARC

## SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Irritant Category 2A

**SIGNAL WORD AND HAZARD AND STATEMENTS- WARNING!** Causes skin irritation and serious eye irritation. Wash skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves and eye protection. **PRECAUTIONARY STATEMENTS- IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. **IF ON SKIN:** Wash with plenty of soap and water. If skin irritation or rash occurs, get medical attention. Wash contaminated clothing before reuse. **STORAGE:** Protect from direct sunlight. Do not expose to temperatures exceeding 50°C/122°F. **DISPOSAL:** Dispose of unused product and container in accordance with all applicable local and regional requirements.



## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

The exact percentage (concentration) of composition has been withheld as a trade secret. Contains naturally-occurring viable bacterial cultures, surfactants, builders and dye.

Cocamide MEA	CAS#68140-00-1	<27%
Glycerin	CAS56-81-5	< 4%

## SECTION 4: FIRST AID MEASURES

**EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**SKIN:** Wash off with warm water and soap. Skin contact may aggravate any existing skin disease.

**INGESTION:** Clean mouth with water and afterwards drink plenty of water.

**INHALATION:** If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Inhalation of product may aggravate any existing chronic respiratory problem.

## SECTION 5: FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Use extinguishing measures appropriate for surrounding fire.

**SPECIAL FIRE FIGHTING PROCEDURES/PROTECTIVE EQUIPMENT:** Water spray may be ineffective.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** May cause allergic respiratory reaction. May release toxic gases.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon and nitrogen oxides.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** Avoid contact with skin and eyes. **ENVIRONMENTAL PRECAUTIONS:** None specific.

**PROTECTIVE EQUIPMENT:** Wear protective gloves and eye protection.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP:** Pick up and transfer to properly labeled container.

## SECTION 7: HANDLING AND STORAGE

**GENERAL HANDLING/ STORAGE:** Avoid eye and skin contact. Keep containers tightly closed in a dry area.

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

**INCOMPATIBLE MATERIALS:** Strong acids or alkali compounds and strong oxidizing agents may inactivate biological cultures.



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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**APPROPRIATE ENGINEERING CONTROLS:** Ensure adequate ventilation, especially in confined areas.  
**RESPIRATORY PROTECTION:** In case of insufficient ventilation wear suitable respiratory equipment.  
**EYE PROTECTION:** Safety glasses.  
**SKIN PROTECTION/PROTECTIVE GLOVES:** No special technical protective measures are necessary.  
**WORK HYGIENIC PRACTICES:** Handle in accordance with good industrial hygiene and safety practices.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>PHYSICAL STATE:</b>	Solid.
<b>COLOR:</b>	Red.
<b>ODOR:</b>	Mild odor.
<b>ODOR THRESHOLD:</b>	No information available.
<b>MELTING/FREEZING POINT:</b>	No information available.
<b>EVAPORATION RATE VALUE:</b>	No information available.
<b>FLAMMABILITY (solid, gas):</b>	No information available.
<b>BURNING RATE 100 mmVALUE:</b>	No information available.
<b>VAPOR PRESSURE :</b>	None.
<b>VAPOR DENSITY :</b>	None.
<b>SPECIFIC GRAVITY:</b>	No information available
<b>SOLUBILITY IN WATER:</b>	Gradually dissolves.
<b>PARTITION COEFFICIENT, n-OCTANOL/WATER:</b>	No information available
<b>AUTO-IGNITION TEMPERATURE:</b>	No information available
<b>DECOMPOSITION TEMPERATURE:</b>	No information available
<b>VISCOSITY OF PRODUCT:</b>	No information available
<b>VISCOSITY:</b>	No information available
<b>EXPLOSIVE PROPERTIES:</b>	No information available
<b>OXIDIZING PROPERTIES:</b>	No information available
<b>SOFTENING POINT:</b>	No information available
<b>VOC CONTENT:</b>	No information available
<b>DENSITY:</b>	No information available

## SECTION 10: STABILITY AND REACTIVITY

**REACTIVITY:** No data available.      **STABILITY:** Stable under recommended storage conditions.  
**POSSIBILITY OF HAZARDOUS REACTIONS:** None under normal processing.  
**CONDITIONS TO AVOID:** Stable under normal conditions.  
**INCOMPATIBILITY (MATERIAL TO AVOID):** Strong acids or alkali compounds may inactivate biological cultures.  
**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** N/A  
**HAZARDOUS POLYMERIZATION:** Cannot occur.      **CONDITIONS TO AVOID (POLYMERIZATION):** NA

## SECTION 11: TOXICOLOGICAL INFORMATION

**INHALATION:** Inhalation of dust in high concentration may cause irritation of respiratory system.  
**EYE CONTACT:** May cause serious eye irritation.  
**SKIN CONTACT:** May cause skin irritation.  
**INGESTION:** Ingestion may cause stomach discomfort.  
**INFORMATION ON TOXICOLOGICAL EFFECTS SYMPTOMS:** No information available.

### DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRINIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE

<b>Sensitization</b>	No information available.
<b>Mutagenic Effects</b>	No information available.
<b>Specific Target Organ Systemic Toxicity (Single Exposure)</b>	No information available.
<b>Specific Target Organ Systemic Toxicity (Repeated Exposure)</b>	No information available.
<b>Chronic Toxicity</b>	No information available.
<b>Aspiration Hazard</b>	No information available.

## SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** None known.      **Persistence/Degradability:** The organic components of the product are biodegradable.  
**Bioaccumulative Potential:** Does not bioaccumulate.      **Other adverse effects:** No known effect



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## SECTION 13: DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:** Dispose of contents/container in accordance with local regulation.

**CONTAMINATED PACKAGING:** Dispose of wastes in an approved waste disposal facility.

## SECTION 14: TRANSPORT INFORMATION

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

**CONTAINER SIZE(S):** BULK, SPECIAL  
**PROPER SHIPPING NAME:** CLEANING COMPOUND, N.O.I., DRY  
**HAZARD CLASS:** NONE  
**ID NUMBER:** NONE  
**PACKING GROUP:** NONE  
**LABEL STATEMENT:** NONE

## SECTION 15: REGULATORY INFORMATION

### LEGEND:

**TSCA** – *United States Toxic Substances Control Act Section 8(b) Inventory*

**DSL/NDSL** – *Canadian Domestic Substances List/Non-Domestic Substances List*

### USA. FEDERAL REGULATIONS

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and 40 CFR Part 372.

#### SARA 311/312 HAZARD CATEGORIES:

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

#### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

#### State Regulations

**California Proposition 65:** This product does not contain any Proposition 65 chemicals.

#### State Right-To-Know

#### U.S. EPA Label Information

**EPA Pesticide registration Number** Not applicable.

## SECTION 16: OTHER INFORMATION

**HMIS/NFPA Ratings:** Health = 1  
Flammability = 0  
Reactivity = 0  
Other = -  
Protection = B

**REVISION DATE:** 07/15/202

**DISCLAIMER:** The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text. Furthermore, as the conditions of use are beyond the control of MARC, it is the responsibility of the customer to determine the conditions of safe use of this preparation.