



Form R04132

# SAFETY DATA SHEET

Product: MARC 91 ENERGIZER PLUS

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: **MARC 91 ENERGIZER PLUS**

SDS DATE: 03/15/2021

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: Lift station degreasing aid with bacteria and enzymes

PREPARED BY: MARC

## SECTION 2: HAZARDS IDENTIFICATION

**CLASSIFICATION:** Acute toxicity-oral-category 4; serious eye damage/ 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>% WT.</u> |
|---|----------------|--------------|
| Alpha olefin sulfonate                            | 68439-57-6     | 8-12         |
| Nonylphenol ethoxylate                            | 9016-45-9      | 2-7          |
| Dodecylbenzenesulfonic acid, triethanolamine salt | 27323-41-7     | 5-10         |
| Cocamide DEA                                      | 68603-42-9     | 2-4          |
| Octyldimethylamine oxide                          | 2605-78-9      | 1-4          |

Specific percentages claimed as a trade secret. 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. **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 above freezing.



# SAFETY DATA SHEET

Product: MARC 91 ENERGIZER PLUS

Form R04132

## 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-

|                                     |   |
|-------------------------------------|---|
| <b>PHYSICAL STATE:</b>              | Liquid  |
| <b>COLOR:</b>                       | Red   |
| <b>ODOR:</b>                        | Raspberry   |
| <b>ODOR THRESHOLD:</b>              | N/A   |
| <b>pH:</b>                          | Neutral   |
| <b>FREEZE/THAW STABILITY:</b>       | Excellent. Store above freezing. Do not subject to repeated freeze/thaw cycles. |
| <b>MELTING POINT:</b>               | N/A   |
| <b>BOILING POINT:</b>               | 212°F   |
| <b>FLASH POINT:</b>                 | None  |
| <b>FLASH POINT METHOD USED:</b>     | LEL: N/AUEL: N/A  |
| <b>EVAPORATION RATE:</b>            | 0.2 (BuAc=1)  |
| <b>SPECIFIC GRAVITY:</b>            | 1.01  |
| <b>VAPOR PRESSURE (mmHg) :</b>      | N/D   |
| <b>VAPOR DENSITY (AIR = 1):</b>     | N/D   |
| <b>SOLUBILITY IN WATER:</b>         | Complete  |
| <b>LOG POW ( n-OCTANOL/</b>         |   |
| <b>WATER PARTITION COEFFICIENT)</b> | N/A   |
| <b>AUTO-IGNITION TEMPERATURE:</b>   | N/A   |
| <b>DECOMPOSITION TEMPERATURE:</b>   | N/A   |
| <b>VISCOSITY:</b>                   | N/A   |

## 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

**Alpha olefin sulfonate:** Acute Dermal LD50 Rabbit: >2000 mg/kg, Acute Oral LD50 Rat: 1300 – 2400 mg/kg

**Nonylphenol ethoxylate:** LD50 Oral Rat 3310 mg/kg, LD50 Dermal Rabbit >2000 mg/kg

**Dodecylbenzenesulfonic acid, triethanolamine salt:** Rabbit LD50 skin > 23220mg/kg, Rat LD50 oral >10800mg/kg

**Cocamide DEA:** Acute Dermal LD50 Rabbit > 2g/kg, Acute Oral LD50 Rat > 5 g/kg

**EYES:** Causes serious eye irritation. **SKIN:** No known significant effects or critical hazards. **INGESTION:** Irritating to mouth, throat and stomach. **INHALATION:** No known significant effects or critical hazards. **ACUTE HEALTH HAZARDS:** Same as above: eye, skin, ingestion and inhalation. **CHRONIC HEALTH HAZARDS:** Not available. **MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** N/A. **CARCINOGENICITY:** Not available. **TOXICITY TO ANIMALS:** Not available.

## SECTION 12: ECOLOGICAL INFORMATION

### Toxicity--

**Alpha olefin sulfonate:** EC50 Algae: 45 mg/l – 72 hours, EC50 Daphnia: 4.48 mg/l – 48 hours, LC50 Fish: 2.5 – 5 mg/l – 96 hours

**Nonylphenol ethoxylate:** Acute LC50 Fish: 1 to 10 mg/l – 96 hours

**Cocamide DEA:** LC50 Algae: <10 mg/l 72 hours, LC50 Daphnia: <10 mg/l 48 hours, LC50 Fish: <10 mg/l 96 hours.

**PERSISTENCE AND DEGRADABILITY:** Biodegradable. **BIOACCUMULATIVE POTENTIAL:** Not Available. **MOBILITY IN SOIL/WATER PARTITION COEFFICIENT (Koc):** Not available. **OTHER ADVERSE EFFECTS:** None known.



# SAFETY DATA SHEET

Product: MARC 91 ENERGIZER PLUS

Form R04132

## 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  
**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 = none; Protection = none.

**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.