



# SAFETY DATA SHEET

Product: MARC 310 ZYME-CRETE

Form R04132

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: MARC 310 ZYME-CRETE

SDS DATE: 10/26/16

SUPPLIER: Mid-American Research Chemical Corp. ADDRESS: P. O. Box 927 Columbus, NE 68602-0927  
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EMERGENCY PHONE: InfoTrac 1-800-535-5053  
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**RECOMMENDED USE:** Designed to clean away stains caused by oil, grease and other hydrocarbons. Use indoors and outdoors on concrete, asphalt, and other hard surfaces in garages, parking lots, shops, factories, etc.

PREPARED BY: MARC

## SECTION 2: HAZARDS IDENTIFICATION

**CLASSIFICATION:** Classification of the product is in accordance with 29CFR 1910.1200.

Acute Toxicity - Oral	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A

### LABEL ELEMENTS

### EMERGENCY OVERVIEW

#### WARNING:

#### HAZARD STATEMENTS:

Causes serious eye irritation  
Causes skin irritation  
Harmful if swallowed



**Appearance:** Opaque

**Physical State:** Liquid

**Odor:** Slight fermentation odor.

### PRECAUTIONARY STATEMENTS- PREVENTION:

Wear eye/face protection. Wear protective gloves. Avoid breathing dust/fume/gas/mist/vapors/spray.

### PRECAUTIONARY STATEMENTS- RESPONSE:

#### EYES:

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

#### SKIN:

**IF ON SKIN:** Gently wash with plenty of soap and water.

#### INHALATION:

**IF INHALED:** If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

#### INGESTION:

**IF SWALLOWED:** Call a POISON CENTER or doctor/physician if you feel unwell.



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**PRECAUTIONARY STATEMENTS- STORAGE:** Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

**PRECAUTIONARY STATEMENTS- DISPOSAL:** Dispose of unused product and container in accordance with all applicable local and regional requirements.

**HAZARDS NOT OTHERWISE CLASSIFIED (HNOC):** Not Applicable.

**POTENTIAL HEALTH EFFECTS:** See Section 11 for more information.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS – NO.	WEIGHT %
Water	7732-18-5	70% - 80%
Ethoxylated Alcohols, C9 – C11	68439-46-3	10% - 15%
Dodecyl benzene sulfonic acid	68584-22-5	1% - 5%
Viable Bacteria Cultures	Not Applicable	1% - 5%
EDTA	64-02-8	< 0.5%
1, 2-Benzisothiazole-3-(2H)-one	2634-33-5	< 0.05%

- The exact percentage (concentration) of composition has been withheld as a trade secret.

## SECTION 4: FIRST AID MEASURES

**EYES:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes and consult a physician.

**SKIN:** Wash off immediately with plenty of soap and water.

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

**INHALATION:** Move to fresh air.

### MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

**MAIN SYMPTOMS:** No information available.

### INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

**NOTES TO PHYSICIAN:** Treat symptomatically.

## SECTION 5: FIRE FIGHTING MEASURES

**SUITABLE EXTINGUISHING MEDIA:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### **SPECIAL FIRE FIGHTING PROCEDURES/ PROTECTIVE EQUIPMENT:**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:** No information available.

**HAZARDOUS DECOMPOSITION PRODUCTS:** No information available.



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## SECTION 6: ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

**PERSONAL PRECAUTIONS:** Ensure adequate ventilation.

**ENVIRONMENTAL PRECAUTIONS:** Spilled preparation should be removed immediately to avoid formation of dust from dried preparation. Take up by mechanical means preferably by a vacuum cleaner equipped with a High Efficiency filter. Flush remainder carefully with plenty of water. Avoid splashing and high pressure washing (avoid formation of aerosols). Ensure sufficient ventilation. Wash contaminated clothing.

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

## SECTION 7: HANDLING AND STORAGE

**PRECAUTIONS FOR SAFE HANDLING:** Handle in accordance with good industrial hygiene and safety practice.

### **CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:**

**STORAGE:** Keep containers tightly closed in a dry, cool and well-ventilated place.

**PACKAGING MATERIAL:** There could be many packaging types for the product. The details are given in other documents.

**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.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**CONTROL PARAMETERS:** None established for any ingredients.

### APPROPRIATE ENGINEERING CONTROLS INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT:

**EYE PROTECTION:** Avoid contact with eyes.

**SKIN PROTECTION/PROTECTIVE GLOVES:** No special technical protective measures are necessary.

**RESPIRATORY PROTECTION:** In case of insufficient ventilation wear suitable respiratory equipment.

**WORK HYGIENIC PRACTICES:** Handle in accordance with good industrial hygiene and safety practices.



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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE-  
PHYSICAL STATE:** Liquid  
**COLOR:** Opaque  
**ODOR:** Slight fermentation odor.  
**ODOR THRESHOLD:** No information available.

<u>PROPERTY</u>	<u>VALUES</u>
<b>MELTING/FREEZING POINT:</b>	32°F
<b>EVAPORATION RATE VALUE:</b>	No information available
<b>FLAMMABILITY (solid, gas):</b>	No information available
<b>BURNING RATE 100mm VALUE:</b>	No information available
<b>VAPOR PRESSURE (mmHg):</b>	No information available
<b>VAPOR DENSITY (AIR = 1):</b>	No information available
<b>SPECIFIC GRAVITY (H<sub>2</sub>O = 1):</b>	1.0
<b>WATER SOLUBILITY:</b>	Complete.
<b>SOLUBILITY IN OTHER SOLVENTS:</b>	No information available
<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

## SECTION 10: STABILITY AND REACTIVITY

**REACTIVITY:** No data available.

**CHEMICAL STABILITY:** Stable under recommended storage conditions.

**CONDITIONS TO AVOID:** Stable under normal conditions.  
Extremes of temperature and direct sunlight. Excessive temperature variations below 32°F or above 155°F.

**INCOMPATIBILITY (MATERIAL TO AVOID):** Strong acids or alkali compounds as well as oxidizing agents may inactivate biological cultures.

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** No information available.

**HAZARDOUS POLYMERIZATION:** No information available.      **CONDITIONS TO AVOID (POLYMERIZATION):** NA



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## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on likely Routes of Exposure:

**EYES:** Irritating to eyes.

**SKIN:** Prolonged or repeated contact may dry skin and cause irritation.

**INGESTION:** Ingestion may cause stomach discomfort.

**INHALATION:** There is no data available for this product.

### INFORMATION ON TOXICOLOGICAL EFFECTS:

**SYMPTOMS:** No information available.

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

**SENSITIZATION:**

No information available.

**MUTAGENIC EFFECTS:**

No information available.

**REPRODUCTIVE EFFECTS:**

No information available.

**SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (SINGLE EXPOSURE):**

No information available.

**SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (REPEATED EXPOSURE):**

No information available.

**CHRONIC TOXICITY:**

No information available.

**ASPIRATION HAZARD:**

No information available.

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

None known.

CHEMICAL NAME	FRESHWATER ALGAE	FRESHWATER FISH	MICROTOX	WATER FLEA
Dodecyl benzene sulfonic acid 68584-22-5			EC50 = 5mg/L 6 h	EC50 = 2.9 mg/L 48 h
EDTA 64-02-8	EC50 = 1.01 mg/L 72 h			EC50 = 610 mg/L 24 h

**Persistence/Degradability:** The organic components of the product are biodegradable.

**Bioaccumulative Potential:** No information available.

CHEMICAL NAME	LOG POW
Dodecyl benzene sulfonic acid 68584-22-5	2
1, 2-Benzisothiazole-3-(2H)-one 2634-33-5	13

**Other adverse effects:** No information available. No known effect

## 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.



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## SECTION 14: TRANSPORT INFORMATION

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

CONTAINER SIZES(S): BULK, PAILS  
PROPER SHIPPING NAME: COMPOUND, CLEANING LIQUID.  
HAZARD CLASS: NONE  
ID NUMBER: NONE  
PACKING GROUP: NONE  
LABEL STATEMENT: NONE

## SECTION 15: REGULATORY INFORMATION

### INTERNATIONAL INVENTORIES

#### LEGEND:

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

### 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:

##### CATEGORIZATION

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

#### USA. State Regulations

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

## SECTION 16: OTHER INFORMATION

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

REVISION DATE: 10/26/16

**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.