



# SAFETY DATA SHEET

Product: MARC 92 HYPER-FOAM JETTER-FOAM

Form R04132

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: **MARC 92 HYPER-FOAM JETTER FOAM**

SDS DATE: 01/15/2019

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: Sewer cleaner.

PREPARED BY: MARC

## SECTION 2: HAZARDS IDENTIFICATION

**CLASSIFICATION:** Serious eye damage/eye irritation category 1. May cause skin irritation. Harmful to aquatic life category 3.



**SIGNAL WORD AND HAZARD PRECAUTIONARY STATEMENTS-- DANGER:** Causes serious eye damage. Do not contact eyes. May cause skin irritation. Avoid contact with skin and clothing. Wear safety glasses and rubber gloves. May be harmful if swallowed. Do not take internally. Do not inhale mist. Harmful to aquatic life. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a Poison Center or physician. **IF ON SKIN:** Wash off thoroughly with water. **IF SWALLOWED:** Call a physician immediately. **IF INHALED:** Get fresh air. Dispose of in accordance with federal, state and local regulations. **KEEP OUT OF REACH OF CHILDREN!**

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Specific percentages may be claimed as a trade secret.

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>% WT.</u>
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	110615-47-9	1% - 2%
D- Glucopyranose, oligomers, decyl octyl glycosides	68515-73-1	2% - 5%
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	110615-47-9	1% - 2%
Water	7732-18-5	4% - 6%
D-Glucopyranose, oligomeric C8 -10-alkyl glycosides	68515-73-1	3% - 5%
1-Propanaminium, 3-amino-N-(carboxymethyl)-N, N-dimethyl-, N-coco acyl derivs., chlorides, sodium salts	61789-39-7	4%-6%
Nonylphenol ethoxylate	9016-45-9	0.5% - 2%
Octyl dimethyl amine oxide	2605-78-9	3% - 6%

## SECTION 4: FIRST AID MEASURES

**EYES:** Immediately wash affected eyes for 15 minutes under running water with eyelids held open. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an eye specialist.

**SKIN:** Immediately wash thoroughly with plenty of water. Apply sterile dressings. Consult a skin specialist.

**INGESTION:** Immediately rinse mouth and then drink 200-300 ml of water. Seek medical attention.

**INHALATION:** Immediately administer a corticosteroid from a controlled/metered dose inhaler.

### **MOST IMPORTANT SYMPTOMS AND EFFECTS,**

**BOTH ACUTE AND DELAYED:** **Symptoms:** The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. Further important symptoms and effects are so far not known.

### **INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY:**

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** Treat according to symptoms (decontamination, vital functions), no known specific antidote.



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## SECTION 5: FIRE FIGHTING MEASURES

### EXTINGUISHING MEDIA:

**SUITABLE EXTINGUISHING MEDIA:** Water spray, dry powder, foam.

### SPECIAL FIRE FIGHTING PROCEDURES/ PROTECTIVE EQUIPMENT:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** No hazardous reactions when stored and handled according to instructions. Reacts with oxidizing agents. Reacts with bases. Reacts with strong acids.

**HAZARDOUS DECOMPOSITION BY-PRODUCTS:** No hazardous reactions when stored and handled as prescribed/indicated. Reacts with oxidizing agents. Reacts with bases, and strong acids.

**FURTHER INFORMATION:** Contaminated extinguishing water must be disposed of in accordance with official regulations.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### EMERGENCY PROCEDURES/PRECAUTIONS/ PROTECTIVE EQUIPMENT:

Use personal protective clothing. Information regarding personal protective measures see Section 8.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP:** **SMALL AMOUNTS:** Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder). Dispose of absorbed material in accordance with regulations. **LARGE AMOUNTS:** Pump off product. Spills should be contained, solidified, and placed in suitable containers for disposal.

**ENVIRONMENTAL PRECAUTIONS:** Do not discharge into drains/surface waters/groundwater.

## SECTION 7: HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING/ STORAGE:

No special measures necessary provided product is used correctly. Store above freezing and below 120°F.

### PROTECTION AGAINST FIRE AND EXPLOSION:

No special precautions necessary.

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

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### ENGINEERING CONTROLS/ VENTILATION:

Local exhaust ventilation preferred.

### RESPIRATORY PROTECTION:

Not generally required.

### EYE/FACE PROTECTION:

Tightly fitting safety goggles (chemical goggles).

### SKIN PROTECTION/PROTECTIVE GLOVES:

Chemical-resistant protective gloves.

**TLV VALUES:** None applicable.

### OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

Not generally required.

### WORK HYGIENIC PRACTICES:

Handle according to established industrial hygiene and safety practices. Wash hands after handling and before eating, drinking or smoking.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### APPEARANCE-

#### PHYSICAL STATE:

Liquid.

#### COLOR:

Yellowish.

#### ODOR:

Tutti – Fruitti

#### ODOR THRESHOLD:

Not applicable.



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<b>SOLUBILITY IN WATER:</b>	Complete.
<b>SPECIFIC GRAVITY:</b>	1.01
<b>MELTING POINT:</b>	32°F
<b>BOILING POINT:</b>	>100°C
<b>pH:</b>	7-8
<b>FLASH POINT:</b>	N/A
<b>EVAPORATION RATE:</b>	Not available.
<b>FLAMMABILITY LIMITS:</b>	Not flammable.
<b>LOWER EXPLOSION LIMIT:</b>	N/A
<b>UPPER EXPLOSION LIMIT:</b>	N/A
<b>AUTO-IGNITION TEMPERATURE:</b>	>300°C
<b>VAPOR PRESSURE (mmHg):</b>	<0.1 hPa (20°C)
<b>DENSITY (AIR = 1):</b>	Approximately 1.01
<b>VAPOR DENSITY:</b>	Not determined.
<b>PARTITION COEFFICIENT, n-OCTANOL/WATER:</b>	Not applicable.
<b>SELF-IGNITION TEMPERATURE:</b>	Not self-igniting
<b>THERMAL DECOMPOSITION:</b>	>350°C (DTA)
<b>VISCOSITY:</b>	N/A

## SECTION 10: STABILITY AND REACTIVITY

**REACTIVITY:** No hazardous reactions if stored and handled as prescribed/indicated. .

**STABILITY:** Stable if stored and handled as prescribed/indicated.

**CONDITIONS TO AVOID:** See SDS Section 7 – Handling and storage.

**INCOMPATIBILITY (MATERIAL TO AVOID):** Strong bases, strong acids, oxidizing agents.

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** No hazardous decomposition products if stored and handled as prescribed/indicated.

**THERMAL DECOMPOSITION:** >350 C (DTA)

**HAZARDOUS POLYMERIZATION:** N/A. **CONDITIONS TO AVOID (POLYMERIZATION):** N/A.

## SECTION 11: TOXICOLOGICAL INFORMATION

**PRIMARY ROUTES OF EXPOSURE:** Routes of entry for liquids are ingestion and inhalation, but may include eye or skin contact.

**Primary routes of entry:** Dermal contact.

**ACUTE TOXICITY/EFFECTS:**

**ACUTE TOXICITY:**

Assessment of acute toxicity: May be harmful if swallowed in large quantities. No adverse health effects known.

**ORAL:** Type of value: LD50 VALUE: >2,000 mg/kg

**INHALATION:** Type of value: LD50 Species: Rat Not determined.

**DERMAL:** VALUE: >2,000 mg/kg

**ASSESSMENT OTHER ACUTE EFFECTS:** No data available.

**EYES:** Species: rabbit Result: Severely irritating.

**SKIN:** Species: rabbit Result: non-irritant

**INGESTION:** Aspiration Hazard: No aspiration hazard expected.

**CHRONIC TOXICITY/EFFECTS:**



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**REPEATED DOSE TOXICITY:** Assessment of repeated dose toxicity: None known

**GENETIC TOXICITY:** Genetic toxicity in vitro: negative

**CARCINOGENICITY:** Assessment of carcinogenicity: No data available concerning carcinogenic effects.

**REPRODUCTIVE TOXICITY:** Assessment of reproductive toxicity: No data available.

**TERATOGENICITY:** Assessment of teratogenicity: No data available.

**OTHER INFORMATION:** The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

**SYMPTOMS OF EXPOSURE:** The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. Further important symptoms and effects are so far not known.

## SECTION 12: ECOLOGICAL INFORMATION

### Toxicity

**Aquatic Toxicity:** Assessment of aquatic toxicity: The statement has been derived from the properties of the individual components.

**Toxicity to fish:** LC50 > 10 - < 100 mg/l

**Aquatic Invertebrates:** EC50 > 10 - < 100 mg/l, Daphnia magna (Directive 92/69/EEC, C.2)

**Aquatic Plants:** EC50 > 10 - < 100 mg/l (growth rate), Desmodosmus subspicatus (OECD Guideline 201)

**Chronic Toxicity to fish:** No observed effect concentration > 1mg/l, Brachydanio rerio (OECD Guideline 204)

**Chronic Toxicity to aquatic invertebrates:** No observed effect concentration (21 d) > 1mg/l, Daphnia magna (OECD Guideline 202, part 2)

### MICROORGANISMS/EFFECT ON ACTIVATED SLUDGE

**Toxicity to microorganisms:** EC0: > 100 mg/l

**PERSISTENCE AND DEGRADABILITY** : Assessment biodegradation and elimination (H2O)  
Readily biodegradable (according to OECD criteria).

**BIOACCUMULATIVE POTENTIAL** : Assessment bioaccumulation potential  
Significant accumulation in organisms is not to be expected.

**MOBILITY IN SOIL** : Assessment transport between environmental compartments  
The substance will not evaporate into the atmosphere from the water surface.  
Absorption to solid soil phase is possible.

**ADDITIONAL INFORMATION :** Absorbable organically-bound halogen (AOX): This product contains no organically-bound halogen.

Add. Remarks environm. Fate & pathway: Treatment in biological waste water treatment plants has to be performed according to local and administrative regulations.

Other ecotoxicological advice: The product has not been tested. The statement has been derived from the properties of the individual components.

## SECTION 13: DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:** In accordance with national, state and local regulations.

## SECTION 14: TRANSPORT INFORMATION

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

Not classified as a dangerous good under transport regulations.



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

## SECTION 15: REGULATORY INFORMATION

### U.S. FEDERAL REGULATIONS

REGISTRATION STATUS: Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories): Acute

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): NA

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): NA

## SECTION 16: OTHER INFORMATION

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

REVISION DATE: 01/15/2019

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.