



Form R04132

# SAFETY DATA SHEET

Product: MARC 227 CARPET DEFOAMER

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: MARC 227 CARPET DEFOAMER

SDS DATE: 06/03/16

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: Defoamer. For use in Sewage Treatment Plants, Lift Stations, Automatic Scrubbers, Power Washers.

PREPARED BY: MARC

## SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: May cause slight eye and skin irritation. (Irritant)

SIGNAL WORD AND PRECAUTIONARY STATEMENTS: CAUTION: KEEP OUT OF REACH OF CHILDREN!

EMERGENCY OVERVIEW AND POTENTIAL HAZARDS: This material is not hazardous under OSHA criteria. This material is not hazardous under WHMIS criteria.

POTENTIAL HEALTH EFFECTS: See Section 11 for more information.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS NO.	% by WT
Chemical characteristics Polydimethylsiloxane and auxiliary, (emulsion in water).	N/A	-----

This material does not contain any hazardous substances at or above OSHA and WHIS reportable levels.

## SECTION 4: FIRST AID MEASURES

EYES: Immediately hold eyelids apart and flush eyes with plenty of water for 15 minutes.

SKIN: Wash skin with plenty of water or with water and soap.

INGESTION: If conscious, give several glasses of water but do not induce vomiting. If vomiting does occur, give additional fluids.

INHALATION: If inhaled as aerosol, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.

GENERAL INFORMATION: Get medical attention if irritation or other symptoms occur. Before seeking medical attention remove contaminated clothing and shoes. Take a copy of the Safety Data Sheet when going for medical treatment.

## SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Material does not burn. Use extinguishing measures appropriate to the source of fire.

SPECIAL FIRE FIGHTING PROCEDURES: Fire fighters should wear full protective clothing including a self-contained breathing apparatus. Cool endangered containers with water.

UNUSUAL FIRE AND EXPLOSION HAZARDS: This material does not present any unusual fire or explosion hazards. Dried up material is combustible.

HAZARDOUS DECOMPOSITION PRODUCTS: If stored and handled properly, none known. The following applies for the silicone content of the substance: Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150°C (302°F) through oxidation.



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## SECTION 6: ACCIDENTAL RELEASE MEASURES

**EMERGENCY PROCEDURES:** If material is released indicate risk of slipping. Prevent material from entering surface waters, drains or sewers and soil. Contain any fluid that runs out using suitable material (e.g. earth).

**PROTECTIVE EQUIPMENT:** Use personal protective devices as stated in Section 8.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP:** Take up mechanically and dispose of according to local/state/federal regulations. **FOR SMALL SPILLS:** Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations. **FOR LARGE SPILLS:** Contain large amounts and pump up into suitable containers. Clean any slippery coating that remains using a detergent/soap solution or another biodegradable cleaner.

## SECTION 7: HANDLING AND STORAGE

**GENERAL HANDLING:** Spilled substance increases risk of slipping.

**OTHER PRECAUTIONS:** **KEEP OUT OF REACH OF CHILDREN!! CAREFULLY READ ENTIRE LABEL BEFORE USE!**  
No special precautions against fire and explosion required.

**STORAGE:** Store above freezing. Protect against sun.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>% by WT.</u>
Chemical characteristics.		
Polydimethylsiloxane and auxiliary, (emulsion in water).	N/A	-----

This material does not contain any hazardous substances at or above OSHA and WHIS reportable levels.

**ENGINEERING CONTROLS:** N/A

**LOCAL EXHAUST:** No special ventilation required.

**VENTILATION:** Use with adequate ventilation.

**RESPIRATORY PROTECTION:** Not normally required.

**EYE PROTECTION:** Safety glasses with side shields or chemical safety goggles.

**SKIN PROTECTION/PROTECTIVE GLOVES:** Any liquid-tight rubber or vinyl gloves.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Additional protective clothing or equipment is not normally required. Provide eye bath and safety shower.

**WORK HYGIENIC PRACTICES:** Avoid contact with eyes, skin and clothing. Do not eat or drink when handling. Wash thoroughly after handling.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### APPEARANCE-

<b>PHYSICAL STATE:</b>	Liquid
<b>COLOR:</b>	White
<b>ODOR:</b>	Characteristic
<b>ODOR THRESHOLD:</b>	N/A
<b>pH:</b>	6-7
<b>MELTING POINT:</b>	32°F (0°C)
<b>BOILING POINT:</b>	100°C (212°F)



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FLASH POINT/METHOD USED: N/A  
EVAPORATION RATE: N/A  
FLAMMABILITY (solid, gas): N/A  
FLAMMABILITY LIMITS: Lower Explosion Limit (LEL): N/D Upper Explosion Limit (UEL): N/D  
VAPOR PRESSURE (mmHg): 22.664740 hPa  
VAPOR DENSITY (AIR = 1): N/A  
SPECIFIC GRAVITY (H<sub>2</sub>O = 1): 1.00  
SOLUBILITY IN WATER: Completely Miscible  
PARTITION COEFFICIENT,  
n-OCTANOL/WATER: N/A  
AUTO-IGNITION TEMPERATURE: N/D  
DECOMPOSITION TEMPERATURE: N/A  
VISCOSITY: N/D

## SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: None

STABILITY: If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

CONDITIONS TO AVOID: None known.

INCOMPATIBILITY (MATERIAL TO AVOID): None known.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: If stored and handled properly, none known. The following applies for the silicone content of the substance: Measurements have shown the formation of small amounts of formaldehyde at temperatures above 150°C (302°F) through oxidation.

HAZARDOUS POLYMERIZATION: Cannot occur.

CONDITIONS TO AVOID (POLYMERIZATION): NA

## SECTION 11: TOXICOLOGICAL INFORMATION

EYES: May cause slight transient eye irritation.

SKIN: May cause slight skin irritation.

INGESTION: Not expected in industrial use.

INHALATION: No known respiratory hazards.

ACUTE/CHRONIC HEALTH HAZARDS: No known or expected acute toxic or chronic health effects.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known.

TARGET ORGANS AFFECTED: No known internal organ effects.

CARCINOGENICITY/REPRODUCTIVE TOXINS: There are no carcinogenic ingredients present at or over 0.1% in this material. This material does not contain any reproductive toxins at or above OSHA or WHMIS reportable levels.



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### Information on toxicological effects

Toxicological testing has not been conducted with this material.

### Acute toxicity

**Assessment:** Based on the available data acute toxic effects are not expected after single dermal exposure. Based on the available data acute toxic effects are not expected after single oral exposure.

### Product Details:

Route of exposure	Result/Effect	Species/Test system	Source
Oral	LD50:>2000 mg/kg	rat	Conclusion by analogy
Dermal	LD50:>2000 mg/kg	rat	Conclusion by analogy

### Skin corrosion/irritation

**Assessment:** Based on the available data a clinically relevant skin irritation hazard is not expected.

### Product Details:

Result/Effect	Species/Test system	Source
Not irritating	rabbit	Conclusion by analogy

### Serious eye damage/eye irritation

**Assessment:** Based on the available data a clinically relevant eye irritation hazard is not expected.

### Product Details:

Result/Effect	Species/Test system	Source
Not irritating	rabbit	Conclusion by analogy

### Respiratory or skin sensitization

**Assessment:** For this endpoint no toxicological test data is available for the whole product.

### Germ cell mutagenicity

**Assessment:** For this endpoint no toxicological test data is available for the whole product.

### Carcinogenicity

**Assessment:** For this endpoint no toxicological test data is available for the whole product.

### Reproductive toxicity

**Assessment:** For this endpoint no toxicological test data is available for the whole product.

### Specific target organ toxicity (single exposure)

**Assessment:** For this endpoint no toxicological test data is available for the whole product.

### Specific target organ toxicity (repeated exposure)

**Assessment:** For this endpoint no toxicological test data is available for the whole product.

### Aspiration hazard

**Assessment:** For this endpoint no toxicological test data is available for the whole product.



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## SECTION 12: ECOLOGICAL INFORMATION

### TOXICITY

**Assessment:** No expected damaging effects to aquatic organisms. According to current knowledge adverse effects on water purification plants are not expected.

#### Product Details:

Result/Effect	Species/Test system	Source
LD50:>100 mg/1	Dynamic Zebra fish (Danio rerio) (96 h)	Conclusion by analogy
EC50>:100 mg/1	Static Saphnia magna (48 h)	Conclusion by analogy
EC50>:1000 mg/1	Sludge (3 h)	Conclusion by analogy

### Persistence and degradability

**Assessment:** Silicone content. Biologically not degradable. Absorbed by floating particles. Separation by sedimentation.  
Emulsifier: Readily biologically degradable.

### Bioaccumulative potential

**Assessment:** No adverse effects expected.

### Mobility in soil

**Assessment:** No adverse effects expected. Separation by sedimentation.

### Other adverse effects

**Assessment:** None known

## SECTION 13: DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:** **Recommendation:** Dispose of according to regulations by incineration in a special waste incinerator. Observe local/state/ federal regulations.

**PACKAGING DISPOSAL:** **Recommendation:** Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/ federal regulations.

## SECTION 14: TRANSPORT INFORMATION

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

**CONTAINER SIZES(S):** Drums, Pails  
**PROPER SHIPPING NAME:** DEFOAMING COMPOUND  
**HAZARD CLASS:** None  
**ID NUMBER:** None  
**PACKING GROUP:** None  
**LABEL STATEMENT:** None



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## SECTION 15: REGULATORY INFORMATION

### U.S. FEDERAL REGULATIONS

**TSCA (TOXIC SUBSTANCE CONTROL ACT) Inventory Status and TSCA Information:** This material or its components are listed on or are in compliance with the requirements of the TSCA Chemical Substance Inventory.

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** This material does not contain any CERCLA regulated chemicals.

**SARA 302 EHS Chemicals:** This material does not contain any SARA extremely hazardous substances.

**SARA 311/312 HAZARD CATEGORIES:** This product does not present any SARA 311/313 hazards.

**SARA 313 REPORTABLE INGREDIENTS:** This material does not contain any SARA 313 chemicals above the minimum levels.

**HAPS (Hazardous Air Pollutants):** This material does not contain any hazardous air pollutants.

## SECTION 16: OTHER INFORMATION

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

**REVISION DATE:** 06/03/16

**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.