



SAFETY DATA SHEET

Product: MARC 58 CONCENTRATED DEFOAMER

Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: MARC 58 CONCENTRATED DEFOAMER

SDS DATE: 11/08/16

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.

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

CLASSIFICATION (GHS): Not a hazardous substance or mixture.

LABEL ELEMENTS

LABELLING (GHS): No labeling according to GHS required.

OTHER HAZARDS: No data available.

PRECAUTIONARY STATEMENTS: **KEEP OUT OF REACH OF CHILDREN!**

POTENTIAL HEALTH EFFECTS: See Section 11 for more information.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| CHEMICAL CHARACTERISTICS | CAS NO | % |
|--|--------|-----------|
| Polydimethylsiloxane and auxiliary, (emulsion in water). | N/A | Under 20% |

This material does not contain any reportable hazardous ingredients.

Substances listed in the Subsections "HAPS" and "California Proposition 65 Carcinogens / Reproductive Toxins" that are not listed in this section are only present at quantities below 0.1% for California Proposition 65 listed toxins or below 1% for non-carcinogenic HAPS or they are inextricably bound in the product.

SECTION 4: FIRST AID MEASURES

EYES: Immediately hold eyelids apart and flush eyes with plenty of water for at least 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. Take a copy of the Safety Data Sheet when going for medical treatment.



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SECTION 5: FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

| <u>PROPERTY:</u> | <u>VALUE:</u> |
|------------------------------------|--------------------|
| FLASH POINT..... | :not applicable |
| BOILING POINT / BOILING RANGE..... | : 100.00°C (212°F) |
| LOWER EXPLOSION LIMIT (LEL) | :not determined |
| UPPER EXPLOSION LIMIT (UEL) | :not determined |
| IGNITION TEMPERATURE..... | :not determined |

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

UNSUITABLE EXTINGUISHING MEDIA: None known.

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.

SPECIAL EXPOSURE HAZARDS ARISING FROM THE SUBSTANCE OR PREPARATION ITSELF, COMBUSTION PRODUCTS, RESULTING GASES: Not applicable.

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.

SECTION 6: ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES/ PRECAUTIONS: If material is released indicate risk of slipping.

HAZWOPER PPE LEVEL: D

CONTAINMENT: Prevent material from entering surface waters, drains or sewers and soil. Contain any fluid that runs out using suitable material (e.g. earth). Spills of material which could reach surface waters must be reported to the United States Coast Guard National Response Center's toll free phone number (800) 424-8802.

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 INFORMATION: Always stir well before use.

HANDLING: **PRECAUTIONS FOR SAFE 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: Protect against sun. Protect against frost.

ADVICE FOR STORAGE OF INCOMPATIBLE MATERIALS: Not applicable.



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

VENTILATION: Use with adequate ventilation.

LOCAL EXHAUST: No special ventilation required.

ASSOCIATE SUBSTANCES WITH SPECIFIC CONTROL PARAMETERS SUCH AS LIMIT VALUES:

MAXIMUM AIRBORNE CONCENTRATIONS AT THE WORKPLACE:

| CAS NO. | MATERIAL | TYPE | mg/m3 | ppm | DUST FRACT. |
|---------|----------|------|-------|-----|-------------|
|---------|----------|------|-------|-----|-------------|

None known.

PERSONAL PROTECTION EQUIPMENT (PPE):

RESPIRATORY PROTECTION: Not normally required.

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

SKIN/HAND 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-

PHYSICAL STATE: Liquid
COLOR: Translucent White
ODOR: Characteristic

SAFETY PARAMETERS:

| <u>PROPERTY:</u> | <u>VALUE:</u> | <u>METHOD:</u> |
|-------------------------------------|---------------------|-------------------|
| MELTING POINT: | not applicable | |
| BOILING POINT / BOILING RANGE..... | 100.00°C (212°F) | |
| FLASH POINT..... | not applicable | |
| IGNITION TEMPERATURE..... | not determined | |
| LOWER EXPLOSION LIMIT (LEL) | not determined | |
| UPPER EXPLOSION LIMIT (UEL) | not determined | |
| VAPOUR PRESSURE..... | 22.664740 hPa | (Estimated Value) |
| DENSITY..... | 1.0 | |
| WATER SOLUBILITY / MISCIBILITY..... | completely miscible | |
| pH: | 6-7 | |
| VISCOSITY (DYNAMIC) | not determined | |



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SECTION 10: STABILITY AND REACTIVITY

GENERAL INFORMATION:

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 about 150°C (302°F) through oxidation.

HAZARDOUS POLYMERIZATION: Cannot occur.

CONDITIONS TO AVOID (POLYMERIZATION): NA

SECTION 11: TOXICOLOGICAL INFORMATION

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.

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 |



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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.

FURTHER TOXICOLOGICAL INFORMATION:

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

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 |
|-----------------|--|-----------------------|
| LC50:>100 mg/l | Dynamic Zebra fish (Danio rerio) (96 h) | Conclusion by analogy |
| EC50:>100 mg/l | Static Saphnia magna (48 h) | Conclusion by analogy |
| EC50:>1000 mg/l | Sludge (3 h) | Conclusion by analogy |

Persistence and degradability

Assessment: Silicone content. Biologically not degradable. Elimination by absorption to activated sludge.

Bioaccumulative potential

Assessment: No adverse effects expected.

Mobility in soil

Assessment: For the product as a whole, no test data is available.

Other adverse effects: None known



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SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: **Recommendation:** Material that cannot be used, reprocessed or recycled should be disposed of in accordance with Federal, State, and local regulations at an approved facility. Depending on the regulations, waste treatment methods may include, e.g., landfill or incineration.

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. Uncleaned packaging should be treated with the same precautions as the material.

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

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.

TSCA 12 (b) Export Notification: This material does not contain TSCA 12 (b) regulated chemicals.

CERCLA Regulated chemicals: 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 311/312 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.

U.S. STATE REGULATIONS:

California Proposition 65 Carcinogens: This material does not contain any chemicals known to the State of California to cause cancer.

California Proposition 65 Reproductive Toxins: This material does not contain any chemicals known to the State of California to cause reproductive effects.

SECTION 16: OTHER INFORMATION

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

REVISION DATE: 11/08/16

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.