



SAFETY DATA SHEET

Product: MARC 279 SUPER SEAL WATER-BASED CONCRETE SEALER
Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: **MARC 279 SUPER SEAL WATER-BASED CONCRETE SEALER**

SDS DATE: 01/04/2019

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: Concrete Sealer.

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Eye Irritation – Category 2A.



SIGNAL WORD AND PRECAUTIONARY STATEMENTS: **WARNING:** Causes serious eye irritation.

PREVENTION: Wash skin thoroughly after handling. Wear eye protection/face protection.

RESPONSE: **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Specific percentages may be claimed as a trade secret.

CHEMICAL NAME	CAS NO.	WEIGHT-%
Propylene Glycol Phenyl Ether	770-35-4	2% - 6%
Styrene-acrylate copolymer	Mixture	15%-40

SECTION 4: FIRST AID MEASURES

EYES: Rinse thoroughly with plenty of water for at least 15 minutes, lifting and lowering eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, consult a physician.

SKIN: Wash off immediately with plenty of water for 15 minutes. If irritation persists, seek medical advice.

INGESTION: Clean mouth with water and drink afterwards plenty of water. Seek medical attention immediately.

INHALATION: Immediately move victim to fresh air. Seek medical attention immediately.

MOST IMPORTANT SYMPTOMS AND EFFECTS: **SYMPTOMS:** Direct contact with eyes may cause temporary irritation.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

NOTES TO PHYSICIANS: Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

UNSUITABLE EXTINGUISHING MEDIA: Not determined.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: Non-Flammable.

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

HAZARDOUS DECOMPOSITION PRODUCTS: None known based on information supplied.



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SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

PERSONAL PRECAUTIONS: Use personal protection equipment as required.

ENVIRONMENTAL PRECAUTIONS: See Section 12 for additional Ecological information.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP:

METHODS FOR CONTAINMENT: Prevent further leakage or spillage if safe to do so.

METHODS FOR CLEAN-UP: Keep in suitable, closed containers for disposal.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

ADVICE ON SAFE HANDLING: Handle in accordance with good industrial hygiene and safety practice.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

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

OTHER PRECAUTIONS: **KEEP AWAY FROM CHILDREN!**

INCOMPATIBLE MATERIALS: Strong acids.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES: No exposure guidelines have been established for this product.

APPROPRIATE ENGINEERING CONTROLS:

ENGINEERING CONTROLS: Apply technical measures to comply with the occupational exposure limits.

INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT:

EYE/FACE PROTECTION: Avoid contact with eyes. Wear eye and face protection.

SKIN AND BODY PROTECTION: Wear suitable protective clothing.

RESPIRATORY PROTECTION: Ensure adequate ventilation, especially in confined areas.

OTHER PROTECTIVE EQUIPMENT: Eye wash stations and showers.

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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL STATE:	Liquid
APPEARANCE-COLOR:	Milky, White Liquid.
COLOR:	White
ODOR:	Not determined.
ODOR THRESHOLD:	Not determined.



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<u>PROPERTY</u>	<u>VALUES</u>	<u>REMARKS * METHOD</u>
pH:	8-9	
MELTING POINT/FREEZING POINT:	Not determined.	
BOILING POINT/RANGE:	>100° C (>212°F)	
FLASH POINT:	Not flammable.	
EVAPORATION RATE:	Not determined.	
FLAMMABILITY (Solid, Gas):	Liquid-not applicable.	
UPPER FLAMMABILITY LIMITS:	Not applicable.	
LOWER FLAMMABILITY LIMITS:	Not applicable.	
VAPOR PRESSURE (mmHg):	Not determined.	
VAPOR DENSITY (AIR = 1):	Not determined.	
SPECIFIC GRAVITY:	Not determined.	
WATER SOLUBILITY:	Soluble in water.	
SOLUBILITY IN OTHER SOLVENTS:	Not determined.	
PARTITION COEFFICIENT, n-OCTANOL/WATER:	Not determined.	
AUTO-IGNITION TEMPERATURE:		
DECOMPOSITION TEMPERATURE:	Not determined.	
KINEMATIC VISCOSITY:	Not determined.	
DYNAMIC VISCOSITY:	Not determined.	
EXPLOSIVE PROPERTIES:	Not an explosive.	
OXIDIZING PROPERTIES:	Not an oxidizer.	

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: Not reactive under normal conditions.

CHEMICAL STABILITY: Stable under recommended storage conditions.

POSSIBILITY OF HAZARDOUS REACTIONS: None under normal processing.

CONDITIONS TO AVOID: Keep out of reach of children.

INCOMPATIBILITY (MATERIAL TO AVOID): Strong acids.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None known based on information supplied.

HAZARDOUS POLYMERIZATION: No CONDITIONS TO AVOID (POLYMERIZATION): None known.

SECTION 11: TOXICOLOGICAL INFORMATION

INFORMATION ON LIKELY ROUTES OF EXPOSURE:

EYES: Avoid contact with eyes. Causes serious eye irritation.

SKIN: Repeated exposure may cause skin dryness or cracking.

INGESTION: Do not taste or swallow.

INHALATION: Avoid breathing vapors or mists.

COMPONENT INFORMATION:

CHEMICAL NAME	ORAL LD50	DERMAL LD50	INHALATION LC50
Propylene Glycol Phenyl Ether	>2,000 mg/kg (Rat)	>2,000 mg/kg (Rat)	>5.4 mg/l – 4 hr. (Rat)
Styrene-acrylic copolymer	>5000 mg/kg (Rat)	-	-

INFORMATION ON PHYSICAL, CHEMICAL AND TOXICOLOGICAL EFFECTS

SYMPTOMS: Please see Section 4 of the SDS for symptoms.

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



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CARCINOGENICITY: This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

NUMERICAL MEASURES OF TOXICITY: Not determined.

SECTION 12: ECOLOGICAL INFORMATION

TOXICITY:

ACUTE TOXICITY TO FISH:

Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50/EL50/LL50>100m/L in most sensitive species tested).

LC50, Pimephales promelas (fathead minnow), static test, 96 Hour, 280 mg/l, OECD Test Guideline 203 or Equivalent.

ACUTE TOXICITY TO AQUATIC INVERTEBRATES

LC50, Daphnia magna (Water flea), static test, 48 Hour, 370 mg/l, OECD Test guideline 202 or Equivalent.

ACUTE TOXICITY TO ALGAE/AQUATIC PLANTS

EC50, Desmodesmus subspicatus (green algae), static test, 72 Hour, Growth rate inhibition, >100 mg/l, EU Method C.3 (Algal Inhibition test)

PERSISTENCE AND DEGRADABILITY:

BIODEGRADABILITY: Material is readily biodegradable. Passes OECD test(s) for ready biodegradability. Biodegradation rate may increase in soil and/or water with acclimation.

Biodegradation: 72%

Exposure time: 28 d

Method: OECD Test Guideline 301F or Equivalent.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

DISPOSAL OF WASTES: Disposal should be in accordance with applicable regional, national and local laws and regulations.

CONTAMINATED PACKAGING: Disposal should be in accordance with applicable regional, national and local regulations.

SECTION 14: TRANSPORT INFORMATION

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

CONTAINER SIZES(S): PAILS

PROPER SHIPPING NAME: BUFFING OR POLISHING COMPOUNDS, N.O.I.

HAZARD CLASS: NONE; **ID NUMBER:** NONE; **PACKING GROUP:** NONE; **LABEL STATEMENT:** NONE

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

SARA 313: This product does not contain any chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations. Part 372.

SARA 302: The components in this product are either not SARA 302 regulated or regulated but present in negligible concentrations.

SARA 311/312 : No SARA hazards.

SECTION 16: OTHER INFORMATION

HMIS/NFPA Ratings: Health = 1, Flammability = 0, Reactivity = 0. Protection = B.

REVISION DATE: 01/04/2019

DISCLAIMER: The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.