



SAFETY DATA SHEET

Product: MARC 27 KRYSTAL KLEAR

Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: **MARC 27 KRYSTAL KLEAR**

SDS DATE: 01/11/2019

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: Treatment of swimming pool water.
PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Serious eye irritant. Skin irritant.
SIGNAL WORD AND HAZARD AND PRECAUTIONARY STATEMENTS-- WARNING: Causes skin and serious eye irritation. Wear protective gloves and eye protection. Avoid breathing mist or spray. Wash thoroughly after handling. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs, get medical advice. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Wash contaminated clothing before reuse. Store locked up in a tightly closed container in a cool, well-ventilated area. Dispose of in accordance with federal, state and local regulations.



SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Specific percentages may be claimed as a trade secret.

INGREDIENT NAME	CAS NUMBER	% WT. OR % VOL
Sodium Hexametaphosphate	10124-56-8 (68915-31-1)	20% - 30%

INGREDIENT	OSHA PEL		ACGIH TLV	
	TWA	STEL	TWA	STEL
Sodium Hexametaphosphate	15 mg/m ³	None established	10 mg/m ³	None established

SECTION 4: FIRST AID MEASURES

EYES: Immediately flush eyes with copious amounts of clean water for 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.

SKIN: Immediately flush skin with plenty of water for 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation develops.

INGESTION: After first aid, get appropriate in-plant, paramedic, or community medical support.

INHALATION: N/A

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: N/A

SECTION 5: FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Use any means suitable for extinguishing surrounding fire.

UNSUITABLE EXTINGUISHING MEDIA: Fragrance portion could float on surface of water and continue burning.

FIRE FIGHTING INSTRUCTIONS: Do not release runoff from fire control methods to sewers or waterways.

FIRE FIGHTING EQUIPMENT: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.

UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A



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HAZARDOUS DECOMPOSITION BY-PRODUCTS: Sodium and phosphorus oxides may form when heated to decomposition.

SECTION 6: ACCIDENTAL RELEASE MEASURES

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Sweep, scoop or vacuum and remove.

LARGE SPILLS:

CONTAINMENT: For large spills dike far ahead of spill for later disposal. Do not release into sewers or waterways.

CLEANUP: Vacuuming or wet sweeping may be used to avoid dust. Flush residual spill area with water.

PROTECTIVE EQUIPMENT/

PERSONAL PRECAUTIONS: Keep away from skin and eyes. Use personal protective devices as stated in Section 8.

ENVIRONMENTAL PRECAUTIONS: Do not release into sewers or waterways.

REGULATORY REQUIREMENTS: Follow applicable OSHA regulations (29 CFR 1910.120).

SECTION 7: HANDLING AND STORAGE

GENERAL HANDLING: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid prolonged or repeated contact with skin. Avoid contact with eyes, skin and clothing. Avoid ingestion and inhalation. Use with adequate ventilation.

OTHER PRECAUTIONS: Use only according to label directions. **KEEP OUT OF REACH OF CHILDREN! CAREFULLY READ ENTIRE LABEL BEFORE USE!**

STORAGE: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Store protected from moisture.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS/

VENTILATION: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs.

RESPIRATORY PROTECTION: Seek professional advice prior to respirator selection and use.

EYE/FACE PROTECTION: Wear protective eyeglasses or chemical safety goggles.

SKIN PROTECTION/PROTECTIVE GLOVES: Wear suitable /protective gloves.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Emergency eyewash stations, safety showers should be available in work area.

GENERAL HYGIENIC CONSIDERATIONS: Practice good personal hygiene after using this material, especially before eating, drinking, smoking or using the toilet.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE-

PHYSICAL STATE/COLOR: Liquid, blue.

ODOR: Odorless.

SOLUBILITY IN WATER: Soluble.

SPECIFIC GRAVITY: 1.20

FREEZING POINT: 32°F

BOILING POINT: 201°F

pH: 6.0 – 7.7

FLASH POINT/METHOD USED: N/A

EVAPORATION RATE: Not applicable.

FLAMMABILITY (solid, gas): Not flammable.

FLAMMABILITY LIMITS: **UEL:** N/A

LEL: N/A

VAPOR PRESSURE (mmHg): N/A

VAPOR DENSITY (AIR = 1): N/A

PARTITION COEFFICIENT,



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n-OCTANOL/WATER: N/A
AUTO-IGNITION TEMPERATURE: N/A
DECOMPOSITION TEMPERATURE: N/A
VISCOSITY: N/A

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY:

STABILITY: Stable

CONDITIONS TO AVOID: No information found.

INCOMPATIBILITY (MATERIAL TO AVOID): None known.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Sodium and phosphorus oxides may form when heated to decomposition.

HAZARDOUS POLYMERIZATION: Will not occur. **CONDITIONS TO AVOID (POLYMERIZATION):** None known.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICITY DATA: Sodium Hexametaphosphate

DERMAL – rabbit LD50: > 7,940 mg/kg: practically nontoxic

EYE IRRITATION – rabbit: 1.3/110.0: slightly irritating

SKIN IRRITATION – rabbit (24-hr exp): 0.0/8.0: nonirritating

ACUTE ORAL EFFECTS: Rat, oral, LD50: 6600 mg/kg practically nontoxic.

EYES: May cause irritation, redness and pain.

SKIN: May cause irritation with redness and pain.

INGESTION: Phosphates are slowly and incompletely absorbed when ingested, and seldom result in systemic effects. Such effects, however, have occurred. Symptoms may include vomiting, lethargy, diarrhea, blood chemistry effects, heart disturbances and central nervous system effects. The toxicity of phosphates is because of their ability to sequester calcium. Systemic acidosis may result as this material is believed to hydrolyze into phosphoric acid when ingested.

INHALATION: N/A

CARCINOGENICITY: No

MEDICAL CONDITIONS AGGRAVATED BY

LONG-TERM EXPOSURE: Persons with pre-existing skin disorders or eye problems, jaw/tooth abnormalities, or impaired liver, kidney or respiratory function may be more susceptible to the effects of the substance.

CHRONIC EFFECTS: May sequester calcium and cause calcium phosphate deposits in the kidneys. Chronic ingestion or inhalation may induce systemic phosphorous poisoning. Liver damage, kidney damage, jaw/tooth abnormalities, blood disorders and cardiovascular effects can result.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: None known.

ENVIRONMENTAL FATE: N/A

ENVIRONMENTAL DEGRADATION: N/A

SOIL ABSORPTION/MOBILITY: N/A



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SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL: Follow applicable Federal, State and Local regulations.

SECTION 14: TRANSPORT INFORMATION

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

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

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): CAS#10124-56-8 is listed on the TSCA inventory.

CERCLA Hazardous Substances and corresponding RQs: CAS#10124-56-8. 5000 lb final RQ (Listed under Sodium phosphate, tribasic); 2270 kg final R.

SARA Section 302 Extremely Hazardous Substances: None of the chemicals in this product have a TPQ.

SARA Section 313: No chemicals are reportable section 313.

SECTION 16: OTHER INFORMATION

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

REVISION DATE: 01/11/2019

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.