



SAFETY DATA SHEET

Product: MARC 10 QUATRA-CIDE

Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: MARC 10 QUATRA-CIDE

SDS DATE: 12/28/16

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: Broad-Spectrum Disinfectant Cleaner

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Causes severe eye damage and skin burns. Harmful if swallowed .
Toxic to aquatic life.



SIGNAL WORD AND PRECAUTIONARY STATEMENTS: Danger. Causes irreversible eye damage and skin burns.
Eyes: Corrosive to the eyes and may cause severe damage including blindness. Skin: Contact causes severe skin irritation and possible burns. Skin Absorption: Not established. Ingestion: Harmful if swallowed. Although of moderate to low toxicity, ingestion can cause gastrointestinal irritation, nausea, vomiting, diarrhea and possible death. Inhalation: Mist is irritating to nose, throat and lungs.

POTENTIAL HEALTH EFFECTS: See Section 11 for more information.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Specific percentages may be claimed as a trade secret.

<u>INGREDIENT</u>	<u>WT. %</u>	<u>CAS NO.</u>
n-Alkyl Dimethyl Benzyl Ammonium Chloride (C12-C18)	2.37	68391-01-5
n-Alkyl Dimethyl Ethyl Benzyl Ammonium Chloride (C12-C14)	2.37	68956-79-6

SECTION 4: FIRST AID MEASURES

EYES: Immediately flush eyes with large amounts of running water for at least 15-20 minutes while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention immediately.

SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.

INGESTION: Get immediate medical attention. **DO NOT INDUCE VOMITING** unless instructed to do so by poison center or physician.

INHALATION: Remove victim to fresh air and monitor. Seek medical advice if irritation persists.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Probable mucosal damage may contraindicate the use of gastric lavage.

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: None.

SPECIAL FIRE FIGHTING PROCEDURES: None. Non-flammable.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

HAZARDOUS DECOMPOSITION PRODUCTS: Not Established.

SECTION 6: ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES: Isolate spill or leak area immediately. Keep unauthorized personnel away. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, or confined areas. Absorb with dry earth, sand or other noncombustible material and transfer to containers.



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FOR LARGE SPILLS: Avoid walking in material. Prevent product from entering into stream, soil, storm sewer or other bodies of water. **FOR SMALL SPILLS:** Avoid runoff into storm sewers and ditches which lead to waterways.

ENVIRONMENTAL PRECAUTIONS: **WATER SPILL:** Avoid discharges into open waterways.
LAND SPILL: Avoid discharge to soil.
AIR SPILL: NA = Not Applicable.

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

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Same as EMERGENCY PROCEDURES. Dispose of in compliance with all federal, state and local laws and regulations.

SECTION 7: HANDLING AND STORAGE

GENERAL HANDLING: Close container after use. Avoid contact with skin and eyes. Wash hands before eating, drinking, smoking or using toilet facilities.

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

STORAGE: Store containers away from and in area inaccessible to children. Store at ambient temperatures.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: N/A

VENTILATION : N/A

RESPIRATORY PROTECTION: Where danger of mist contact may occur, wear a NIOSH approved respiratory protection for mists.

EYE S AND FACE PROTECTION: Chemical splash goggles, full face shield.

SKIN PROTECTION/PROTECTIVE GLOVES: Rubber or other chemical resistant gloves. Rubber boots if used on floors. Chemical resistant outerwear (tyvek) if contact with spray or mist is anticipated.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: See Skin protection above.

WORK HYGIENIC PRACTICES: Wash hands before eating, drinking, smoking or using toilet facilities. Always practice good housekeeping and hygienic measures.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE-
PHYSICAL STATE:** Liquid
COLOR: Light purple
ODOR: Lavender - Floral
ODOR THRESHOLD: N/A
pH: 11.5 to 12.5
MELTING/FREEZING POINT: N/A
BOILING POINT: 212°F; 100°C
FLASH POINT/METHOD USED: N/A = Not Applicable.
EVAPORATION RATE: ~1
FLAMMABILITY (solid, gas): None
FLAMMABILITY LIMITS: N/A = Not Applicable
VAPOR PRESSURE (mmHg): 20
VAPOR DENSITY (AIR = 1): ~1
DENSITY: 8.66
SPECIFIC GRAVITY (H2O = 1): 1.039 grams/ml.
SOLUBILITY IN WATER: Complete
VISCOSITY: Water thin.



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SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: None

STABILITY: Stable

CONDITIONS TO AVOID: Oxidizing materials.

INCOMPATIBILITY (MATERIAL TO AVOID): Strong acids, oxidizers.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Not Established.

HAZARDOUS POLYMERIZATION: No **CONDITIONS TO AVOID (POLYMERIZATION):** NA

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD50 (rat)	DERMAL LD50 (rabbit)
n-Alkyl Dimethyl Benzyl Ammonium Chloride (C12-C18)	>1890 mg/kg	>2000 mg/kg
n-Alkyl Dimethyl Ethyl Benzyl Ammonium Chloride (C12-C14)	>500	>2000

DERMAL LD50: >2000 mg/kg male and female rabbits.

ORAL LD50: >1890 mg/kg male and female rats.

EYES EFFECTS: Corrosive to eyes and may cause severe damage including blindness.

SKIN EFFECTS: Severe skin irritant. May cause burns to skin.

SKIN ABSORPTION: Not Established.

CARCINOGENICITY

IARC: None known.

OSHA: None known.

SENSITIZATION: Not available.

REPRODUCTIVE EFFECTS: Not available.

TARGET ORGANS: None known.

TERATOGENIC EFFECTS: Not available.

MUTAGENICITY: Not available.

INGESTION: Although of moderate to low toxicity, ingestion can cause gastrointestinal irritation, nausea, vomiting, diarrhea, and possible death.

INHALATION: Mist is irritating to nose, throat and lungs.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE TOXICITY: Corrosive to eyes. Causes moderate to severe skin irritation. Harmful if swallowed.

CHRONIC EFFECTS: None known.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Dermatitis

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Not available.

ECOTOXICOLOGICAL INFORMATION: No known significant effects or critical hazards noted.

BIOACCUMULATION/ACCUMULATION: Not available. **AQUATIC TOXICITY (ACUTE):** Not established.



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SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Although not a hazardous waste, the discarding or disposal of this material should be done at a properly permitted facility in accordance with the regulations 40CFR 262, 263, and 268. Additionally, the discarding or disposal of this material may be further regulated by state, regional, or local regulations.

SECTION 14: TRANSPORT INFORMATION

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

CONTAINER SIZES(S): Drums, Gallons
PROPER SHIPPING NAME: DEODORANTS OR DISINFECTANTS, N.O.I., LIQUID/DRY. (Not DOT regulated.)
HAZARD CLASS: None
ID NUMBER: None
PACKING GROUP: None
LABEL STATEMENT: N/A

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

311/312 HAZARD CATEGORIES: Health – Acute

REACTIVITY: Yes

313 REPORTABLE INGREDIENTS: No products were found.

302/304 EMERGENCY PLANNING:

EMERGENCY PLAN: No products were found

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT) REGULATORY: None.

TSCA (TOXIC SUBSTANCE CONTROL ACT)/TSCA REGULATORY: All ingredients are listed on the TSCA Chemical Inventory.

Chemical Name	CAS
n-Alkyl Dimethyl Benzyl Ammonium Chloride (C12-C18)	68391-01-5
n-Alkyl Dimethyl Ethyl Benzyl Ammonium Chloride (C12-C14)	68956-79-6

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)

29 CFRI 910.119 --- PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS: No products were found.

CARCINOGEN: No products were found.

FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT): Regulated

SECTION 16: OTHER INFORMATION

HMIS/NFPA Ratings: Health = 3
Flammability = 0
Reactivity = 0
Other = -
Protection = B

REVISION DATE: 12/28/16

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.