



# SAFETY DATA SHEET

Product: MARC 87 NEUTRON NEUTRAL  
DISINFECTANT CLEANER

Form R04132

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: MARC 87 NEUTRON NEUTRAL DISINFECTANT CLEANER

SDS DATE: 8/16/13

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: Industrial/Institutional Disinfectant and cleaning product.

PREPARED BY: MARC

## SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Irritant (eye) (skin). Harmful if swallowed.

SIGNAL WORD AND PRECAUTIONARY STATEMENTS: **DANGER, CORROSIVE:** Causes irreversible eye damage and skin burns.  
May be fatal if absorbed through skin.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Specific percentages may be claimed as a trade secret.

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>
Octyl decyl dimethyl ammonium chloride	68424-95-3	N/A	N/A
Dioctyl dimethyl ammonium chloride	5538-94-3	N/A	N/A
Didecyl dimethyl ammonium chloride	7173-51-5	N/A	N/A
Alkyl dimethyl benzyl ammonium chloride	68424-85-1	250 mg/kg (oral, rat)	N/A
Citric acid	0007-79-29	3000 mg/kg (oral, rat)	N/A
Polyethylene glycol mono (nonyl phenol) ether	9016-45-9	N/A	N/A
Tetrasodium salt of ethylene diaminetetraacetic acid	64-02-8	N/A	N/A

## SECTION 4: FIRST AID MEASURES

**EYES:** Hold eye open and rinse slowly and gently with water for at least 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Get medical attention immediately.

**SKIN:** Take off contaminated clothing. Flush immediately with plenty of water for at least 15 minutes. Get medical attention immediately.

**INGESTION:** If swallowed call medical attendant, doctor, or poison control center immediately. Have person sip a glass of water if able to swallow. **DO NOT INDUCE VOMITING** unless told to do so by a poison control center or doctor. **NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.** Get medical attention immediately.

**INHALATION:** If breathing is affected, remove person to fresh air. If person is not breathing, call 911 or an ambulance and then give artificial respiration, preferably by mouth to mouth, if possible. Get medical attention immediately.

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

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects.



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**SECTION 5: FIRE FIGHTING MEASURES**

- EXTINGUISHING MEDIA:** This product is not flammable. Extinguish fire using agent suitable for surrounding fire.
- SPECIAL FIRE FIGHTING PROCEDURES:** No special methods required.
- UNUSUAL FIRE AND EXPLOSION HAZARDS:** Corrosive material (See sections 8 and 10).
- HAZARDOUS DECOMPOSITION PRODUCTS:** None known.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

- EMERGENCY PROCEDURES:** Do not discharge into lakes, streams, ponds, or public water unless in accordance with an NPDES permit. Use appropriate containment to avoid environmental contamination. Sweep up and shovel into suitable containers for disposal. Use a water rinse for final clean-up.
- PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use personal protective devices as stated in Section 8.
- METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP:** Same as Emergency Procedures. Dispose of in accordance with applicable Federal, State & local regulations.

**SECTION 7: HANDLING AND STORAGE**

- GENERAL HANDLING:** Avoid contact with skin, eyes and clothing. Do not taste or swallow. Avoid breathing vapors or mist. See Section 8. Use with adequate ventilation.
- OTHER PRECAUTIONS:** **KEEP OUT OF REACH OF CHILDREN!! CAREFULLY READ ENTIRE LABEL BEFORE USE! All precautions for handling the product must be used in handling the empty container and residue. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.**
- STORAGE:** Keep tightly closed in a dry, cool and well-ventilated place. Protect from freezing. Store in a cool, dry, well ventilated area away from heat or open flame.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>% by WT.</u>	<u>CARCINOGEN:</u>	<u>EXPOSURE LIMITS:</u>
(SEE SECTION 3)				

- ENGINEERING CONTROLS:** Good general ventilation should be sufficient to control airborne levels. Respiratory protection is not required if good ventilation is maintained.
- VENTILATION :** Good general room ventilation.
- RESPIRATORY PROTECTION:** If aerosols, mists, or vapors are not adequately controlled by ventilation, use appropriate respiratory protection to avoid over-exposure. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.
- EYE PROTECTION:** Chemical-splash goggles.
- SKIN PROTECTION/PROTECTIVE GLOVES:** Chemical-resistant gloves includes Neoprene gloves.
- OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** If major exposure is possible, wear suitable protective clothing and footwear.
- WORK HYGIENIC PRACTICES:** Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.



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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE- PHYSICAL STATE:</b>	Liquid
<b>COLOR:</b>	Clear blue
<b>ODOR:</b>	Fresh
<b>ODOR THRESHOLD:</b>	N/A
<b>DILUTION pH:</b>	7.0 @ 1:64
<b>MELTING POINT RANGE:</b>	N/D
<b>BOILING POINT:</b>	212°F
<b>FLASH POINT/METHOD USED:</b>	>200°F>93.4°C
<b>EVAPORATION RATE: (Water=1):</b>	No information available.
<b>FLAMMABILITY (solid, gas):</b>	N/D
<b>FLAMMABILITY LIMITS:</b>	N/D
<b>VAPOR PRESSURE (mmHg):</b>	N/D
<b>VAPOR DENSITY (AIR = 1):</b>	No information available.
<b>SPECIFIC GRAVITY (H<sub>2</sub>O = 1):</b>	1.004
<b>SOLUBILITY IN WATER:</b>	Complete
<b>VISCOSITY:</b>	No information available.

## SECTION 10: STABILITY AND REACTIVITY

<b>REACTIVITY:</b>	None
<b>STABILITY:</b>	The product is stable.
<b>CONDITIONS TO AVOID:</b>	Do not freeze.
<b>INCOMPATIBILITY (MATERIAL TO AVOID):</b>	Oxidizing agents.
<b>HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:</b>	None known.
<b>HAZARDOUS POLYMERIZATION:</b>	No
<b>CONDITIONS TO AVOID (POLYMERIZATION):</b>	NA

## SECTION 11: TOXICOLOGICAL INFORMATION

<b>EYES:</b>	Corrosive. Causes irreversible eye damage. Causes permanent eye damage, including blindness.
<b>SKIN:</b>	Corrosive. May cause permanent damage. Harmful if absorbed through skin.
<b>INGESTION:</b>	Corrosive. May cause burns to mouth, throat and stomach.
<b>INHALATION:</b>	May cause irritation and corrosive effects to nose, throat and respiratory tract.
<b>MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:</b>	None known.
<b>CARCINOGENICITY:</b>	None
<b>ACUTE TOXICITY:</b>	Corrosive. Oral LD <sub>50</sub> estimated to be between 500-5000 mg/kg.
<b>TOXICITY TO ANIMALS:</b>	Material is toxic to fish.

## SECTION 12: ECOLOGICAL INFORMATION

<b>Environmental Information:</b>	No data available.
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## SECTION 13: DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:** Do not contaminate water, food, or feed by storage or disposal.

**Waste from Residues/Unused Products:**

**PESTICIDAL WASTE** – Observe all applicable Federal/Provincial/State regulations and Local/Municipal ordinances regarding disposal of pesticide wastes.

**PESTICIDE STORAGE:** Store in original container in areas inaccessible to children. Open dumping is prohibited. Do not reuse empty container.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Pesticide product disposal requirements vary by package size and type. Pesticides include disinfectants and sanitizers. See product label for complete disposal instructions. Always dispose of according to all federal, state and local regulations.

## SECTION 14: TRANSPORT INFORMATION

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

**CONTAINER SIZES(S):** GALLONS, PAILS

**PROPER SHIPPING NAME:** DEODORANTS OR DISINFECTANTS, N.O.I., LIQUID/DRY.

**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):** All components of this product are listed on the following inventories: U.S.A. (TSCA)

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT) NOTIFICATION:** None

**SARA TITLE III (EPCRA) NOTIFICATION:** None

**311/312 HAZARD CATEGORIES:** Immediate.

**313 REPORTABLE INGREDIENTS:** N/A

## SECTION 16: OTHER INFORMATION

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

**REVISION DATE:** 8/16/13

**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.