



SAFETY DATA SHEET

Product: MARC 311 POWER-CIDAL R-T-U DISINFECTANT

Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: **MARC 311 POWER-CIDAL R-T-U DISINFECTANT**

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: Ready-To-Use Disinfectant Cleaner.

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Eye Irritation - Category 2B Irritant.

Signal Word: Warning. **Hazard Statements-**Keep out of reach of children. Read label and SDS before use. Causes eye irritation.

Precautionary Statements—Prevention-Wear eye protection. Wash hands and face thoroughly after handling. **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 attention. Get medical advice/attention if you feel unwell. **Disposal-**Dispose of contents and container in accordance with all local, regional, and national regulations. **Hazards Not Otherwise Specified-** Not applicable.



SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>WT. %</u>
Diethylene glycol monobutyl ether	112-34-5	5-10%
Tetra sodium ethylenediamine tetra acetic acid (Na4 EDTA)	64-02-8	1- 5%

SECTION 4: FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical.

SKIN: Wash with soap and water for several minutes. Seek medical attention if irritation persists.

INGESTION: Rinse mouth. Get immediate medical attention if symptoms occur.

INHALATION: Remove from area to fresh air. If not breathing, first call 911 or an ambulance, start artificial respiration, preferably mouth-to-mouth. If victim is having trouble breathing, give supplemental oxygen, if available. Get immediate medical attention.

MOST IMPORTANT

SYMPTOMS/EFFECTS, ACUTE

AND DELAYED:

Exposed individuals may experience eye tearing, redness, and discomfort.

INDICATION OF IMMEDIATE

MEDICAL ATTENTION AND SPECIAL

TREATMENT NEEDED:

If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.

GENERAL INFORMATION: Ensure that medical personnel are aware of the material(s) involved and take precautions.

SECTION 5: FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Water fog, foam, dry chemical powder. Carbon dioxide (CO2).

UNSUITABLE EXTINGUISHING MEDIA: Do not use water jet as an extinguisher, as this will spread the fire.

SPECIAL FIRE FIGHTING PROCEDURES/



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PROTECTIVE EQUIPMENT: Use standard firefighting procedures and consider the hazards of other involved materials. Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Move containers from fire area if you can do so without risk.

UNUSUAL FIRE AND EXPLOSION HAZARDS: During fire, gases hazardous to health may be formed. No unusual fire or explosion hazards noted.

HAZARDOUS DECOMPOSITION PRODUCTS: Upon decomposition, this product may yield oxides of nitrogen and ammonia.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions:

Put on appropriate personal protective equipment (see section 8).

Environmental precautions and clean-up methods:

Stop all leaks. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Disperse vapors with water spray. Prevent runoff from entering drains, sewers, streams or other bodies of water. Absorb spill with inert material. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal.

SECTION 7: HANDLING AND STORAGE

Do not use or store near heat, sparks or open flame. Store in a cool, dry place. Do not get in eyes, on skin or on clothing. Keep out of reach of children.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS

US. ACGIH Threshold Limit Values

COMPONENTS	TYPE	VALUE	FORM
Diethylene glycol monobutyl ether (CAS 112-34-5)	TWA	10 ppm	Inhalable fraction and vapor.

BIOLOGICAL LIMIT VALUES: No biological exposure limits noted for the ingredient(s).

ENGINEERING CONTROLS/ VENTILATION :

Ensure adequate ventilation, especially in confined areas. Eye wash facilities and emergency shower must be available when handling this product.

RESPIRATORY PROTECTION: In case of insufficient ventilation, wear suitable respiratory equipment.

EYE/FACE PROTECTION: Wear safety glasses with side shields (or goggles).

SKIN PROTECTION/PROTECTIVE GLOVES: Wear protective gloves.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Protective clothing (long sleeves, coveralls or other, as appropriate), to prevent skin contact. Eye wash facilities and emergency shower must be available when handling this product.

THERMAL HAZARDS: Wear appropriate thermal protective clothing, when necessary.

WORK HYGIENIC PRACTICES: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE-

PHYSICAL STATE:	Clear, Liquid
COLOR:	Colorless
ODOR:	Bouquet
ODOR THRESHOLD:	Not available.
pH:	11.7000
MELTING POINT/ FREEZING POINT RANGE:	>32°F >0°C)



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BOILING POINT:	>212°F (>100°C)
FLASH POINT/METHOD USED:	>201°F (>93°C) Pensky-Martens Closed Cup
EVAPORATION RATE: (Butyl Acetate=1):	Not available.
FLAMMABILITY (solid, gas):	Not available.
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS	
FLAMMABILITY-LOWER:	Not available.
FLAMMABILITY-UPPER:	Not available.
EXPLOSIVE-LOWER:	Not available.
EXPLOSIVE-UPPER:	Not available.
VAPOR PRESSURE (mmHg):	Not available.
VAPOR DENSITY (AIR = 1):	1.01
RELATIVE DENSITY:	Not available.
SOLUBILITY IN WATER:	Complete
AUTO-IGNITION TEMPERATURE:	Not available
DECOMPOSITION TEMPERATURE:	Not available
SPECIFIC GRAVITY (H₂O = 1):	Not available
VISCOSITY:	Not available
OTHER INFORMATION:	
DENSITY:	8.38 lbs/gal @ 25°C

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: The product is stable and non-reactive under normal conditions of use, storage and transport.

STABILITY: Material is stable under normal conditions.

CONDITIONS TO AVOID: Avoid temperatures exceeding the flash point. Contact with incompatible materials.

INCOMPATIBILITY (MATERIAL TO AVOID): Strong acids, alkalis and oxidizing agents.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Upon decomposition, this product may yield oxides of nitrogen and ammonia, carbon dioxide, carbon monoxide and other low molecular weight hydrocarbons.

HAZARDOUS POLYMERIZATION: No

CONDITIONS TO AVOID (POLYMERIZATION): NA

SECTION 11: TOXICOLOGICAL INFORMATION

Primary Route of Entry: Skin and eye contact, inhalation

Acute/Potential Health Effects:

EYES: Cause eye irritation. Symptoms include stinging, tearing and redness.

SKIN: May cause skin irritation.

INHALATION: High vapor concentrations may be irritating to respiratory tract.

INGESTION: May cause headache, dizziness, incoordination, nausea, vomiting, diarrhea and general weakness.

Chronic / Long Term Effects: None known.

Target Organ Effects: None known.

Reproductive/Developmental Information: No data.

Carcinogenic Information: This material is not listed as a carcinogen by IARC, NTP or OSHA.

Acute Toxicity Values: Not available.

SECTION 12: ECOLOGICAL INFORMATION

Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste must be disposed of in accordance with federal, state and local environmental control regulations. See label for further instructions.

SECTION 14: TRANSPORT INFORMATION

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

CONTAINER SIZES(S): BULK, GALLONS

PROPER SHIPPING NAME: DEODORANTS OR DISINFECTANTS

HAZARD CLASS: N/A



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ID NUMBER: N/A
PACKING GROUP: N/A
LABEL STATEMENT: None

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: This is a U.S. EPA registered pesticide.

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA (TOXIC SUBSTANCE CONTROL ACT): N/A

CERCLA HAZARDOUS SUBSTANCE LIST (40 CFR 302.4): Not listed.

US. OSHA SPECIFICALLY REGULATED SUBSTANCES (29 CFR 1910.1001-1050): Not listed.

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA):

Hazard Categories
Immediate Hazard – Yes
Delayed Hazard – No
Fire Hazard – No
Pressure Hazard – No
Reactivity Hazard - No

SARA 302 EXTREMELY HAZARDOUS SUBSTANCE: No

OTHER FEDERAL REGULATIONS:

CLEAN AIR ACT (CAA) SECTION 112 HAZARDOUS AIR POLLUTANTS (HAPS) LIST: Not regulated.

CLEAN AIR ACT (CAA) SECTION 112 (r) ACCIDENTAL RELEASE PREVENTION (40 CFR 68.130): Not regulated.

SAFE DRINKING WATER ACT (SDWA): Not regulated.

FIFRA INFORMATION: This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.

SIGNAL WORD: CAUTION

HAZARD STATEMENT: Causes moderate eye irritation.
This pesticide is toxic to fish.

SECTION 16: OTHER INFORMATION

HMIS/NFPA Ratings: Health = 1
Flammability = 1
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.