



SAFETY DATA SHEET

Product: MARC 201 LIQUID LAUNDRY DETERGENT

Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: MARC 201 LIQUID LAUNDRY DETERGENT

SDS DATE: 07/12/16

SUPPLIER: Mid-American Research Chemical Corp. **ADDRESS:** P. O. Box 927 Columbus, NE 68602-0927
PHONE: 402-564-7104 **FAX:** 403-563-1290
EMERGENCY PHONE: InfoTrac 1-800-535-5053
E-MAIL: marc@marc1.com **WEBSITE:** www.marc1.com

RECOMMENDED USE: Laundry detergent.

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: This material is hazardous under the criterion of the Federal OSHA Hazard Communication standard 29 CFR 1910.1200.

Acute toxicity – Category 4 – Oral
Acute toxicity – Category 4 – Inhalation
Serious eye damage – Category 1



SIGNAL WORD AND PRECAUTIONARY STATEMENTS: **DANGER:** Harmful if swallowed or if inhaled. Causes serious eye damage.

PREVENTION: Avoid breathing mist or spray. Wash skin thoroughly after handling. Eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear eye protection.

RESPONSE: **IF SWALLOWED:** Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. **IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CONTROL CENTER or doctor/physician if you feel unwell. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

DISPOSAL: In accordance with federal, state and local regulations.

OTHER HAZARDS: Slipping hazard.

POTENTIAL HEALTH EFFECTS: See Section 11 for more information.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>PERCENT</u>
Nonylphenol ethoxylate	9016-45-9	15% - 30%
Isopropanol	67-63-0	1% - 5%
Triethanolamine	102-71-6	1% - 5%

Percentage of composition has been withheld as a trade secret.



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SECTION 4: FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, after first 5 minutes, if present and easy to do. Continue flushing eyes for at least 15 minutes. Obtain medical attention without delay, preferably from an ophthalmologist. Suitable emergency eye wash facility should be immediately available.

SKIN : Wash off with plenty of water.

INGESTION: If swallowed, seek medical attention immediately. **DO NOT INDUCE VOMITING** unless directed to do so by medical personnel. Show this container or label.

INHALATION: Move person to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration; if by mouth to mouth use rescuer protection (pocket mask, etc). If breathing is difficult, oxygen should be administered by qualified personnel. Call a physician or transport to a medical facility.

MOST IMPORTANT SYMPTOMS/

EFFECTS, ACUTE & DELAYED: Aside from the information found under **SECTION 4: FIRST AID MEASURES, and INDICATION OF IMMEDIATE MEDICAL ATTENTION and SPECIAL TREATMENT NEEDED** (below), any additional important symptoms and effects are described in **SECTION 11: TOXICOLOGY INFORMATION**.

INDICATION OF IMMEDIATE MEDICAL ATTENTION & SPECIAL TREATMENT NEEDED:

NOTES TO PHYSICIAN: Maintain adequate ventilation and oxygenation of the patient. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Water fog or fine spray. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers. Foam. Alcohol resistant foams (ATC type) are preferred. General purpose synthetic foams (including AFFF) or protein foams may function, but will be less effective.

UNSUITABLE EXTINGUISHING MEDIA: Do not use direct water stream. May spread fire.

SPECIAL FIRE FIGHTING PROCEDURES FIRE-FIGHTING EQUIPMENT:

Keep people away. Isolate fire and deny unnecessary entry. Burning liquids may be extinguished by dilution with water. Do not use direct water stream. May spread fire. Burning liquids may be moved by flushing with water to protect personnel and minimize property damage.

Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Violent steam generation or eruption may occur upon application of direct water stream to hot liquids.

HAZARDOUS DECOMPOSITION PRODUCTS: During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: Carbon monoxide, Carbon dioxide.



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SECTION 6: ACCIDENTAL RELEASE MEASURES

**EMERGENCY PROCEDURES/
PERSONAL PRECAUTIONS:**

Ventilate area of leak or spill. Isolate area. Keep unnecessary and unprotected personnel from entering the area.

PROTECTIVE EQUIPMENT:

Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). For additional information, refer to **SECTION 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION**. Refer to **SECTION 7, HANDLING & STORING** for additional precautionary measures.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP:

Contain spilled material if possible. Absorb with materials such as: Sand and dirt. Collect in suitable and properly labeled containers. Do not use water for cleanup. See **SECTION 13, DISPOSAL CONSIDERATIONS**, for additional information.

ENVIRONMENTAL PRECAUTIONS:

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See **SECTION 12, ECOLOGICAL INFORMATION**.

SECTION 7: HANDLING AND STORAGE

**PRECAUTIONS FOR
SAFE HANDLING:**

Avoid contact with eyes, skin, and clothing. Avoid breathing vapor. Do not swallow. Wash thoroughly after handling. Keep container closed. Use only with adequate ventilation. See **SECTION 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION**.

OTHER PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN! READ LABEL CAREFULLY!

**CONDITIONS FOR SAFE
STORAGE:**

No specific requirements.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS:

EXPOSURE LIMITS ARE LISTED BELOW, IF THEY EXIST.

**APPROPRIATE ENGINEERING
CONTROLS/VENTILATION:**

Use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations.

RESPIRATORY PROTECTION:

Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use an approved respirator. Selection of air-purifying or positive-pressure supplied-air will depend on the specific operation and the potential airborne concentration of the material. For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.

EYE/FACE PROTECTION:

Use chemical goggles.

SKIN PROTECTION/PROTECTIVE GLOVES:

Wear gloves-chemically resistant to this material when prolonged or frequently repeated contact could occur.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

Wear clean, body-covering clothing. Suitable emergency eye wash facility should be immediately available.

WORK HYGIENIC PRACTICES:

When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking.



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	
PHYSICAL STATE:	Liquid.
COLOR:	Blue
ODOR:	"Febreze" Linen-type
ODOR THRESHOLD:	No test data available.
pH:	10
MELTING POINT/RANGE:	Not applicable to liquids.
FREEZING POINT:	32°F
BOILING POINT (760 mmHg):	212° F
FLASH POINT/METHOD USED:	None
EVAPORATION RATE:	No test data available.
FLAMMABILITY (solid, gas):	Not applicable to liquids.
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:	
Explosive limit - lower:	No test data available.
Explosive limit - upper:	No test data available.
VAPOR PRESSURE (mmHg):	< 0.01 mmHg at 20°C (68°F) <i>Calculated</i>
RELATIVE VAPOR DENSITY (AIR = 1):	>1 <i>Calculated</i>
RELATIVE DENSITY (WATER = 1):	1.03
SOLUBILITY IN WATER:	Completely soluble.
PARTITION COEFFICIENT, n-OCTANOL/WATER:	log Pow: 2.1 – 3.4 <i>Calculated.</i>
AUTO-IGNITION TEMPERATURE:	No test data available.
DECOMPOSITION TEMPERATURE:	No test data available.
KINEMATIC VISCOSITY:	N/A
EXPLOSIVE PROPERTIES:	No data available.
OXIDIZING PROPERTIES:	No data available.

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY:	None.
CHEMICAL STABILITY:	Thermally stable at typical use temperatures.
POSSIBILITY OF HAZARDOUS REACTIONS:	Polymerization will not occur.
CONDITIONS TO AVOID:	Exposure to elevated temperatures can cause product to decompose.
INCOMPATIBILITY (MATERIAL TO AVOID):	Strong acids. Strong bases. Strong oxidizers.
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:	Decomposition products depend upon temperature, air supply and the presence of other materials.
HAZARDOUS POLYMERIZATION:	Will not occur.
CONDITIONS TO AVOID (POLYMERIZATION):	See above.



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SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological information on this product or its components appear in this section when such data is available.

ACUTE TOXICITY

ACUTE ORAL TOXICITY:

Low toxicity if swallowed. Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury.

Typical for this family of materials.

LD50, Rat, 960 -3,980 mg/kg

ACUTE DERMAL TOXICITY:

Prolonged skin contact is unlikely to result in absorption of harmful amounts.

Typical for this family of materials.

LD50, Rabbit, 2,000 – 2,991mg/kg

ACUTE INHALATION TOXICITY:

Prolonged excessive exposure to mist may cause serious adverse effects. Vapor may cause irritation of the upper respiratory tract (nose and throat).

Typical for this family of materials.

LC50, Rat, 4 Hour, dust/mist, 1.15 mg/l

Skin corrosion/irritation:

Prolonged exposure may cause slight skin irritation with local redness.

Serious eye damage/eye irritation:

May cause severe eye irritation and severe corneal injury.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicological information on this product or its components appear in this section when such data is available.

TOXICITY

ACUTE TOXICITY TO FISH:

For this family of materials.

Material is moderately toxic to aquatic organisms on an acute basis (LC50/EC50 between 1 and 10 mg/L in most sensitive species tested).

For this family of materials.

LC50, Pimephales promelas (fathead minnow), 96 Hour, 3.8 – 6.2 mg/l, OECD Test Guideline 203 or Equivalent.

ACUTE TOXICITY TO AQUATIC INVERTEBRATES:

For this family of materials.

LC50, Daphnia magna (Water flea), 48 Hour, 9.3 – 21.4 mg/l, OECD Test Guideline 202 or Equivalent.



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TOXICITY TO BACTERIA:

For this family of materials.
IC50 , Bacteria, 16 Hour, >1,000 mg/l

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations.

SECTION 14: TRANSPORT INFORMATION

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

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

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

OSHA HAZARD COMMUNICATION STANDARD:

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

UNITED STATES TSCA INVENTORY (TSCA):

All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 TITLE III (Emergency Planning and Community Right-To-Know Act of 1986) Sections 311 and 312:

Acute Health Hazard

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 TITLE III (Emergency Planning and Community Right-To-Know Act of 1986) Sections 313:

This material does not contain any chemical components with known AS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.



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SECTION 16: OTHER INFORMATION

PRODUCT LITERATURE

Additional information on this and other products may be obtained by visiting our web page. Additional information on this product may be obtained by calling your sales or customer service contact. Ask for a product brochure.

HMIS/NFPA Ratings: Health = 2
Flammability = 0
Reactivity = 0
Other = -
Protection = -

REVISION DATE: 07/12/16

N/A = Not Applicable, N/D = Not Determined, N/E = Not Established

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