



# SAFETY DATA SHEET

Product: **MARC 204 DEFENDER  
CARPET PROTECTOR**

Form R04132

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: **MARC 204 DEFENDER CARPET PROTECTOR**

SDS DATE: 08/23/16

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: Carpet Protector.

PREPARED BY: MARC

## SECTION 2: HAZARDS IDENTIFICATION

OSHA/HCS status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

CLASSIFICATION OF THE SUBSTANCE MIXTURE: Serious eye damage, eye irritation – Category 2A  
Skin Sensitization – Category 1

GHS LABEL ELEMENTS  
HAZARD PICTOGRAMS:



SIGNAL WORD: **WARNING**

HAZARD STATEMENTS: Causes serious eye irritation.

PRECAUTIONARY STATEMENTS:

PREVENTION: Wear eye protection. Wear protective gloves. Avoid breathing vapor. Wash hands thoroughly after handling.

RESPONSE: **IF IN SKIN:** Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs, Get medical attention. **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.

STORAGE: Not applicable.

DISPOSAL: Dispose of contents and container in accordance with all local, regional, national and international regulations.

HAZARDS NOT OTHERWISE CLASSIFIED: None known.

POTENTIAL HEALTH EFFECTS: See Section 11 for more information.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture: Mixture

Chemical Name	CAS Number	PERCENT
Nonylphenol Ethoxylate	12087-87-0	5% - 8%
Sulphuric acid, mono-C12-16-alkyl esters, sodium salts	73296-89-6	0.1% - 0.5%

The chemical identity and exact percentage of the composition has been withheld as it is a trade secret. Occupational exposure limits, if available, are listed in Section 8.



# SAFETY DATA SHEET

Product: **MARC 204 DEFENDER**

**CARPET PROTECTOR**

Form R04132

## SECTION 4: FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove contact lenses, if present and easy to do. Continue rinsing for at least 10 minutes. Get medical attention.

**SKIN:** Wash skin with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

**INGESTION:** Wash our mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. **DO NOT INDUCE VOMITING** unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to and unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**INHALATION:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

### Most Important Symptoms/Effects, Acute and Delayed

#### Potential Acute Health Effects

**Eye Contact:** Causes serious eye irritation.

**Inhalation:** No known significant effects or critical hazards.

**Skin Contact:** No known significant effects or critical hazards

**Ingestion:** No specific data.

#### Over Exposure Signs/Symptoms:

**Eye Contact:** Adverse symptoms may include the following: pain or irritation, Watering, Redness.

**Inhalation:** No specific data.

**Skin Contact:** Adverse symptoms may include the following: irritation, redness.

**Ingestion:** No specific data.

#### Indication of Immediate Medical Attention and Special Treatment Needed, If Necessary:

**Notes To Physicians:** Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Specific Treatments:** No specific treatment.

**Protection of First Aiders:** No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing.



# SAFETY DATA SHEET

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CARPET PROTECTOR**

Form R04132

## SECTION 5: FIRE FIGHTING MEASURES

### **EXTINGUISHING MEDIA:**

#### **Suitable extinguishing**

#### **Media:**

Use an extinguishing agent suitable for the surrounding fire.

#### **Unsuitable extinguishing**

#### **Media:**

None

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** In a fire or if heated, a pressure increase will occur and the container may burst.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Decomposition products may include the following materials: Carbon dioxide, carbon monoxide, sulfur oxides, metal oxide/oxides, (dense) black smoke, aldehydes, organic acids.

#### **Special protective actions**

#### **For firefighters:**

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

#### **Special protective equipment**

#### **For fire-fighters:**

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

#### **REMARKS:**

The material will not support combustion unless the water has evaporated.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### **Personal Precautions, Protective Equipment and Emergency Procedures**

#### **EMERGENCY PROCEDURES:**

**For non-emergency Personnel:** No action shall be taken involving any personal risk for without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. See Section 8.

**Emergency Responders:** If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information above "For non-emergency personnel".

#### **PROTECTIVE EQUIPMENT:**

Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. See Section 8.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: SPILL:** Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

**ENVIRONMENTAL PRECAUTIONS:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).



# SAFETY DATA SHEET

Product: **MARC 204 DEFENDER**

**CARPET PROTECTOR**

Form R04132

## SECTION 7: HANDLING AND STORAGE

### Precautions for Safe Handling

**GENERAL HANDLING:** **Protective Measures:** Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**PRECAUTIONS:** **KEEP OUT OF REACH OF CHILDREN! Do not take internally! Wear eye and face protection. Wash hands thoroughly after handling.**

**STORAGE:** Store between the following temperatures: 5 to 40°C (41 to 104°F). Store in accordance with local regulations. Store in original container, protected from direct sunlight. Store in a dry, cool and well-ventilated area, away from incompatible materials (See Section 10). Keep container tightly closed and sealed until ready for use.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### APPROPRIATE ENGINEERING CONTROLS/ VENTILATION:

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

### Environmental Exposure Controls:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

**RESPIRATORY PROTECTION:** Use a properly fitted, air-purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary. If respiratory protection is needed, use a NIOSH certified respirator.

**EYE/FACE PROTECTION:** Safety eyewear.

**SKIN PROTECTION/PROTECTIVE GLOVES:** Chemical-resistant, impervious gloves.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Personal protective equipment for the body should be selected based on the task being performed and the risks involved. Ensure that eyewash stations and safety showers are close to the workstation location.

**WORK HYGIENIC PRACTICES:** Wash hands, forearms and face thoroughly after handling, before eating, smoking and using the lavatory and at the end of the working period.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### APPEARANCE-

<b>PHYSICAL STATE:</b>	Liquid
<b>COLOR:</b>	White, translucent.
<b>ODOR:</b>	Linen
<b>ODOR THRESHOLD:</b>	Not available.
<b>pH:</b>	6 - 8
<b>MELTING POINT:</b>	Not available.
<b>BOILING POINT/RANGE:</b>	100°C
<b>FLASH POINT/METHOD USED:</b>	None



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**CARPET PROTECTOR**

Form R04132

**BURNING TIME:** Not applicable.  
**BURNING RATE:** Not applicable.  
**EVAPORATION RATE:** Not available.  
**FLAMMABILITY (solid, gas):** Not available.  
**FLAMMABILITY LIMITS:** **Lower and Upper Explosive:** Not available.  
**VAPOR PRESSURE (mmHg):** 2.3 kPa  
**VAPOR DENSITY (AIR = 1):** Not available.  
**RELATIVE DENSITY:** 1.01  
**DENSITY (g/cm3):** 1.01  
**SOLUBILITY IN WATER:** Complete.  
**PARTITION COEFFICIENT, n-OCTANOL/WATER:** Not available.  
**AUTO-IGNITION TEMPERATURE:** Not available.  
**DECOMPOSITION TEMPERATURE:** Not available.  
**SPECIFIC GRAVITY (H2O = 1):** 1.007  
**VISCOSITY:** Dynamic (room temperature): 15 mPa's (15 cP).  
**REMARKS:** Miscible in water.

## SECTION 10: STABILITY AND REACTIVITY

**REACTIVITY:** No specific test data related to reactivity available for this product or its ingredients.

**STABILITY:** This product is stable.

**CONDITIONS TO AVOID:** No specific data.

**POSSIBILITY OF HAZARDOUS REACTIONS:** Under normal conditions of storage and use, hazardous reactions will not occur.

**INCOMPATIBILITY (MATERIAL TO AVOID):** No specific data.

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** No specific data.

**HAZARDOUS POLYMERIZATION:** Will not occur. **CONDITIONS TO AVOID (POLYMERIZATION):** N/A

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on toxicological effects

#### Acute toxicity

Product/Ingredient Name	Result	Species	Dose	Exposure
Nonylphenol Ethoxylate	LC50 Inhalation Vapor	Rat	1,150 mg/m3	4 hours
	LD50 Dermal	Rabbit	2,000-2,990 mg/kg	-
	LD50 Oral	Rat	960-3,980 mg/kg	-

#### Irritation/Corrosion

Product/Ingredient Name	Result	Species	Score	Exposure	Observation
Sulphuric acid, mono-C12-16-alkyl esters, sodium salts	Skin - Irritant	Rabbit	-	-	-

#### Carcinogenicity

Not available.

#### Reproductive Toxicity

Not available.

#### Teratogenicity

Not available.

#### Specific Target Organ Toxicity (repeated exposure)

Not available.



# SAFETY DATA SHEET

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Form R04132

## Aspiration Hazard

Not available.

## Information on likely

Routes of exposure: Not available.

## Potential Acute Health Effects

**EYES:** Causes serious eye irritation.

**SKIN:** No known significant effects or critical hazards.

**INGESTION:** Irritating to mouth, throat and stomach.

**INHALATION:** No known significant effects or critical hazards.

## Symptoms related to the physical, chemical and toxicological characteristics

**EYE CONTACT:** Adverse symptoms may include the following: Pain or Irritation, Watering, Redness.

**INHALATION:** No specific data.

**SKIN CONTACT:** Adverse symptoms may include the following: Irritation, Redness.

**INGESTION:** No specific data.

## Delayed and immediate effects and also chronic effects from short and long term exposure

### Short term exposure

Potential immediate effects: Not available.

Potential delayed effects: Not available.

### Long term exposure

Potential immediate effects: Not available.

Potential delayed effects: Not available.

## Potential chronic health effects

**Carcinogenicity:** No known significant effects or critical hazards.

**Mutagenicity:** No known significant effects or critical hazards.

**Teratogenicity:** No known significant effects or critical hazards.

**Developmental effects:** No known significant effects or critical hazards.

**Fertility effects:** No known significant effects or critical hazards.

## Numerical measures of toxicity

Acute toxicity estimates: Not available.



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Form R04132

## SECTION 12: ECOLOGICAL INFORMATION

### Toxicity

#### **Nonylphenol Ethoxylate –**

LC50 (Fish, 96 Hours): 3.8-7.7 mg/l (Pimephales promelas), 16.4 mg/l (Poecilia reticulata – 48 hours)

LC50 (Crustacea, 48 hours): 9.3-21.4 mg/l (Daphnia magna). 20.9 mg/l (Gammarus pulex)

EC50 (Algae): 17 mg/l (Scenedesmus quadricauda), 15 mg/l (Lemna minor)

EC50 (Bacteria): >1,000 mg/l (various bacteria)

**Persistence and Degradability:** Not available.

Product/Ingredient Name	Test	Result	Dose	Inoculum
Sulphuric acid, mono-C12-16-alkyl esters, sodium salts	OECD 301B Ready Biodegradability – CO2 Evolution Test	92% - Readily – 28 days	-	Activated sludge

### **Mobility in Soil**

Soil/Water partition coefficient: Not available.

(K<sub>oc</sub>)

**Other adverse effects:** No known significant effects or critical hazards

## SECTION 13: DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:** Dispose of in accordance with local, state and national regulations.

## SECTION 14: TRANSPORT INFORMATION

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

**CONTAINER SIZES(S):** GALLONS

**PROPER SHIPPING NAME:** COMPOUND, CLEANING LIQUID

**HAZARD CLASS:** None

**ID NUMBER:** None

**PACKING GROUP:** None

**LABEL STATEMENT:** None

## SECTION 15: REGULATORY INFORMATION

**U.S. FEDERAL REGULATIONS:** **United States Inventory (TSCA):** All components are listed or exempted.

**Clean Air Act Section 602:** Not listed.

**Class I Substances**

**Clean Air Act Section 602:** Not listed.

**Class II Substances**

**DEA List I Chemicals:** Not listed.

**(Precursor Chemicals)**

**DEA List II Chemicals:** Not listed.

**(Essential Chemicals)**



# SAFETY DATA SHEET

Product: **MARC 204 DEFENDER  
CARPET PROTECTOR**

Form R04132

SARA 311/312  
Classification: Immediate (acute) health hazard.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): N/A

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): N/A

## SECTION 16: OTHER INFORMATION

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

REVISION DATE: 08/23/16

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

**DISCLAIMER:** The information contained in the Safety Data Sheet is based on our data available on the date of publication. The information is intended to aid the user in controlling the handling risks; it is not to be construed as a warranty or specification of the product quality. The information may not be or may not altogether be applicable to combinations of the product with other substances or to particular applications.

The user is responsible for ensuring that appropriate precautions are taken and for satisfying themselves that the data are suitable and sufficient for the product's intended purpose. In case of any unclarity we advise consulting the supplier or an expert.

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.