



# SAFETY DATA SHEET

Product: MARC 272 ONCE OVER FLOOR STRIPPER

Form R04132

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: **MARC 272 ONCE OVER FLOOR STRIPPER**

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: Floor Finish Remover.

PREPARED BY: MARC

## SECTION 2: HAZARDS IDENTIFICATION

**CLASSIFICATION:** Classification of this mixture in accordance with paragraph (d) of §1910.1200.  
Skin Corrosion/Irritation. Serious Eye Damage/Eye Irritation.  
Respiratory irritation. Harmful if swallowed.



**SIGNAL WORD AND HAZARD AND PRECAUTIONARY STATEMENTS-- DANGER:** Causes severe skin burns and serious eye damage. May cause respiratory irritation. Harmful if swallowed. Stripped floor may be extremely slippery. **PRECAUTIONARY STATEMENTS:** Do not breathe mist or vapors. Do not kneel in stripper solution. Wash hands, face and any skin contact thoroughly after handling. Wear protective gloves, protective clothing, eye protection and face protection. Use only in a well-ventilated area. **IF SWALLOWED:** Rinse mouth. Do NOT induce vomiting. **IF ON SKIN (or hair):** Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. **IF INHALED:** Remove person to fresh air and keep comfortable for breathing. **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. Keep container tightly closed. Store locked up in a well-ventilated area. Dispose of in an approved waste disposal facility. **KEEP OUT OF REACH OF CHILDREN!**

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization: Amine solution, blended with solvents, detergents and auxiliary agents.

Hazardous ingredients: The exact percentage of composition has been withheld as a trade secret.

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>WT. %</u>
2-Butoxyethanol	111-76-2	15-25%
Monoethanolamine	141-43-5	10-15%
Nonylphenol ethoxylate	9016-45-9	1-5%

## SECTION 4: FIRST AID MEASURES

**SYMPTOMS:** Causes irritation or burning sensation. Causes severe skin burns and serious eye damage. May cause respiratory irritation. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**SKIN:** Remove contaminated clothing and wash before reuse. Wash contaminated area with soap and water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**INGESTION:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. **DO NOT INDUCE VOMITING** unless instructed to do so by poison center or physician. Do not give anything by mouth to a person who is unconscious or convulsing. If vomiting occurs, keep head below hips to reduce risk of aspiration. Probable mucosal damage may contraindicate the use of gastric lavage.

**INHALATION:** Move person to fresh air and monitor. If respiratory irritation or dizziness occurs, seek immediate medical assistance.

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



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## SECTION 5: FIRE FIGHTING MEASURES

**SUITABLE EXTINGUISHING MEDIA:** Use water spray, dry chemical, carbon dioxide or foam extinguishing agents. In case of fire, keep containers cooled with water spray.

**UNSUITABLE EXTINGUISHING MEDIA:** High pressure water jet.

**SPECIAL FIRE FIGHTING PROCEDURES:** Fire fighters should wear appropriate protective equipment, including self-contained breathing apparatus and impervious clothing.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None known.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None known.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**EMERGENCY PROCEDURES:** Depending on the extent of release, consider the need for emergency responders with adequate personal protective equipment for cleanup, need for evacuation or restriction to access of spill area.  
**LARGE SPILLS:** Contain spill with inert material (sand, clay). Transfer material to labeled containers for recovery or proper disposal. After removal, flush area with water.  
**SMALL SPILLS:** May be wiped up and rinsed with water.

**ENVIRONMENTAL PRECAUTIONS:** Prevent spills from entering storm sewers /drains or contact with soil.

**PERSONAL PRECAUTIONS/ PROTECTIVE EQUIPMENT:** Wear protective clothing, eye protection and impervious gloves (e.g. neoprene). Wash thoroughly after clean up. Use personal protective devices as stated in Section 8.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP:** SMALL SPILLS: may be wiped up and rinsed with water. LARGE SPILLS: contain spill with inert material (sand,clay). Transfer material to labeled containers for recovery or proper disposal. After removal, flush area with water. Follow good industrial hygiene practices. Do not eat, drink or smoke during cleanup.

## SECTION 7: HANDLING AND STORAGE

**GENERAL HANDLING:** Read label before use. Avoid contact with skin and eyes. Do not breathe mist/vapors. Wash hands, face and any skin contact thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves, protective clothing, eye protection, face protection. If unsure about safe use, contact your supervisor. Use in a well-ventilated area. See Section 8 for personal protection.

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

**STORAGE:** Do not contaminate water, food or feed by storage and disposal. Store locked up in tightly closed original container in a cool (10° – 30° C), dry, well-ventilated area. Store in area inaccessible to children.

**INCOMPATIBILITY:** Acids, oxidizers. Do not mix with anything but water.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### COMPONENTS WITH OCCUPATIONAL EXPOSURE LIMITS:

<u>COMPONENT</u>	<u>REFERENCE</u>	<u>TWA (8 hr)</u>
2-Butoxyethanol	ACGIH OSHA	20 ppm
Monoethanolamine	ACGIH OSHA	3ppm

**ENGINEERING CONTROLS/VENTILATION:** Proper ventilation in accordance with good industrial hygiene should be provided.

**RESPIRATORY PROTECTION:** Respiratory protection is not necessary under normal conditions of use. If necessary to prevent exposure above occupational limits, use an approved cartridge style respirator.

**EYES AND FACE PROTECTION:** Chemical resistant goggles and face protection.

**SKIN PROTECTION/PROTECTIVE GLOVES:** Use water impervious gloves (latex or neoprene rubber).



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**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Protective clothing (long sleeves, pants), eyewash, safety shower are always advisable when working with chemicals.

**WORK HYGIENIC PRACTICES:** Wash hands thoroughly after cleanup, 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:** None  
**ODOR:** Ether like  
**ODOR THRESHOLD:** No data available.  
**pH:** 12 – 13  
**MELTING POINT:** N/A  
**FREEZING POINT:** -0°F  
**BOILING POINT:** 212°F  
**FLASH POINT/METHOD USED:** >200°F (ASTM D3278)  
**EVAPORATION RATE:** Similar to water.  
**FLAMMABILITY (solid, gas):** Not Applicable.  
**FLAMMABILITY LIMITS:** No data available.  
**VAPOR PRESSURE (mmHg):** No data available  
**VAPOR DENSITY (AIR = 1):** No data available  
**RELATIVE DENSITY:** 0.973  
**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** No data available  
**SOLUBILITY IN WATER:** Complete.  
**AUTO-IGNITION TEMPERATURE;** No data available  
**PARTITION COEFFICIENT:** No data available  
**VISCOSITY:** Slightly viscous.

## SECTION 10: STABILITY AND REACTIVITY

**REACTIVITY:** No specific reactivity test data is available. Under normal conditions of storage and use, hazardous reactions are not expected.

**STABILITY:** This product is stable at ambient temperatures and pressures.

**CONDITIONS TO AVOID:** Temperatures above 50°C or below 10°C.

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

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** None known.

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

## SECTION 11: TOXICOLOGICAL INFORMATION

### Ethylene Glycol Monobutyl Ether –

Acute Oral Toxicity – LD50: 1,414 mg/kg, guinea pig  
Acute Inhalation Toxicity – LC0: >3.1 mg/l (>641 ppm), exposure time=1 hour, guinea pig  
Acute Dermal Toxicity –LD50: >2,000 mg/kg, guinea pig

### Monoethanolamine –

Acute Oral Toxicity – LD50, Rat, 1,089 mg/kg  
Acute Dermal Toxicity – LD50, Rat, 2,504 mg/kg  
Acute Inhalation Toxicity –LC50, Rat, 4 Hour, vapor, >1.48 mg/l

**Nonylphenol Ethoxylate:** LD50 Oral-Rat = 3310 mg/kg, LD50 Dermal Rabbit >2000 mg/kg

**EYES EFFECTS:** Serious eye damage. Eye irritation.

**SKIN EFFECTS:** Skin corrosion, severe skin burns. Irritation.

**INGESTION:** May be harmful if swallowed.



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**INHALATION:** Do not breathe mist/vapors/spray. May cause respiratory irritation.

## SECTION 12: ECOLOGICAL INFORMATION

### Ethylene Glycol Monobutyl Ether –

Acute toxicity to fish, to daphnia and other aquatic invertebrates, to freshwater and marine invertebrates, and to algae and aquatic plants is very low.

### Monoethanolamine –

Acute toxicity to fish:

Material is moderately toxic to aquatic organisms on an acute basis (LC50/EC50 between 1 and 10 mg/l in the most sensitive species tested). LC50, Cyprinus carpio (Carp), semi-static test, 96 Hour, 349 mg/l. Acute toxicity to aquatic invertebrates: EC50 Daphnia magna (Water flea), static test, 48 Hour, 65 mg/l. Acute toxicity to algae/aquatic plants: ErC50 Pseudokirchneriella subcapitata (green algae), 72 Hour, Growth rate inhibition, 2.5 mg/l.

**Nonylphenol Ethoxylate:** Acute LC50 –Fish = 1 to 10 mg/L, Exposure time = 96 hours

## SECTION 13: DISPOSAL CONSIDERATIONS

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

## SECTION 14: TRANSPORT INFORMATION

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

**CONTAINER SIZES(S):** Bulk, Gallons  
**PROPER SHIPPING NAME:** Amines, Liquid, Corrosive. N.O.S. (Contains ethanolamine).  
**HAZARD CLASS:** 8  
**ID NUMBER:** UN2735  
**PACKING GROUP:** PGII  
**LABEL STATEMENT:** CORROSIVE  
**Emergency Guide No.:** 153

## SECTION 15: REGULATORY INFORMATION

### U.S. FEDERAL REGULATIONS

**INVENTORY STATUS:** All components are listed on TSCA (US).

**OSHA Hazard Communication Standard:** This product meets the §1910.1200 definition of a "Hazardous Chemical".

### **SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 TITLE III (EPCRA) Sections 311 and 312:**

<b>Immediate (Acute) Health Hazard:</b>	Yes	<b>Delayed (Chronic) Health Hazard:</b>	No
<b>Fire Hazard:</b>	No	<b>Reactive Hazard:</b>	No
<b>Sudden Release of Pressure Hazard:</b>	No		

### **SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 TITLE III (EPCRA) Sections 313:**

"Chemicals marked with an asterisk in "3. Composition/Information on Ingredients" are subject to reporting requirements for Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

## SECTION 16: OTHER INFORMATION

**HMIS/NFPA Ratings:** Health = 2  
Flammability = 0  
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.