



# SAFETY DATA SHEET

Product: MARC 254 RING-B-GONE

Form R04132

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: MARC 254 RING-B-GONE

SDS DATE: 7/25/13

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: Removes Stubborn Toilet Bowl Rings, Hard Water Spotting and Build-Ups in Toilets.

PREPARED BY: MARC

## SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Do not allow to come into contact with eyes, skin or clothing. Can cause severe burns which may not be immediately visible or painful.

SIGNAL WORD AND PRECAUTIONARY STATEMENTS: **DANGER:** Contains ammonium bifluoride. May cause severe burns.

**POISON:** Harmful or fatal if swallowed.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>TLV</u>
Ammonium Bifluoride	1341-49-7	2.5 mg/m <sup>3</sup>
Nonyl Phenol Ethoxylate	9016-45-9	Not Est.

## SECTION 4: FIRST AID MEASURES

**EYES:** Flush immediately and thoroughly with large quantities of water for 15-20 minutes. Remove contact lenses, if applicable. Hold eyelids apart during flushing to ensure complete rinsing of entire surface of eye and lids with water. Get medical attention.

**SKIN:** Immediately remove contaminated shoes and clothing. Wash with soap and water for 15-20 minutes. Wash contaminated clothing before reuse. Wash under fingernails. If irritation persists, get medical attention. Zephiran chloride may be used on skin (**NOT eyes**).

**INGESTION:** **DO NOT INDUCE VOMITING.** Give large quantities of water or milk and call a physician or poison control center immediately. Specific antidotal treatment may be required. NEVER give anything by mouth to a person who is unconscious or convulsing. Get medical attention immediately.

**INHALATION:** Move person to fresh air. If person is not breathing, call 911 or an ambulance then give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: N/A

## SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: None

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

HAZARDOUS DECOMPOSITION PRODUCTS: Fluorides, carbon oxides.



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## SECTION 6: ACCIDENTAL RELEASE MEASURES

**EMERGENCY PROCEDURES:** Collect on absorbent or flush area with water.

**PROTECTIVE EQUIPMENT:** Use personal protective devices as stated in Section 8.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP:** Same as EMERGENCY PROCEDURES.

## SECTION 7: HANDLING AND STORAGE

**GENERAL HANDLING/STORAGE:** **DO NOT** store in metal or glass containers. May etch glass surfaces.

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

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>TLV</u>
Ammonium Bifluoride	1341-49-7	2.5 mg/m <sup>3</sup>
Nonyl Phenol Ethoxylate	9016-45-9	Not Est.

**ENGINEERING CONTROLS:** N/A

**VENTILATION :** Local exhaust.

**RESPIRATORY PROTECTION:** Respiratory protection is not expected to be necessary under normal conditions of use.

**EYE PROTECTION:** Chemical resistant goggles.

**SKIN PROTECTION/PROTECTIVE GLOVES:** Rubber.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** As required to prevent contact.

**WORK HYGIENIC PRACTICES:** Wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE-**

**PHYSICAL STATE:** Light liquid.

**COLOR:** Blue

**ODOR:** None to low.

**ODOR THRESHOLD:** N/A

**pH:** 3-4

**MELTING POINT:** N/A

**FREEZING POINT:** 30°F

**BOILING POINT:** 212°F

**FLASH POINT/METHOD USED:** None

**EVAPORATION RATE:** 1

**FLAMMABILITY (solid, gas):** N/A

**FLAMMABILITY LIMITS:** N/A

**VAPOR PRESSURE (mmHg):** N/D

**VAPOR DENSITY (AIR = 1):** N/D

**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** 1.03

**SOLUBILITY IN WATER:** Complete

**VISCOSITY:** Moderate



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## SECTION 10: STABILITY AND REACTIVITY

**REACTIVITY:** None

**STABILITY:** Stable.

**CONDITIONS TO AVOID:** N/A

**INCOMPATIBILITY (MATERIAL TO AVOID):** Do NOT mix with other cleaning compounds, acids, oxidizers and bleach. toxic gases.

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Fluorides, carbon oxides.

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**HAZARDOUS POLYMERIZATION:** No                      **CONDITIONS TO AVOID (POLYMERIZATION):** N/A

## SECTION 11: TOXICOLOGICAL INFORMATION

**EYES:** May cause severe irritation or burns which may not be immediately noticed. May cause permanent eye damage, if not promptly flushed with plenty of water.

**SKIN:** Contact can cause severe irritation or burns which may not be immediately noticed.

**INGESTION:** If swallowed, may be poisonous or even fatal. May cause pulmonary edema and gastrointestinal damage. May target bones, kidneys and liver.

**INHALATION:** N/A

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Skin diseases.

**CARCINOGENICITY:** No. This product does not contain a listed carcinogen from NTP, ACGIH or IARC.

**ACUTE TOXICITY:** This product has not been evaluated for its acute toxicology profile.

**CHRONIC TOXICITY:** This product has not been evaluated for its chronic toxicology profile.

**TOXICITY TO ANIMALS:** Ammonium Bifluoride is not expected to be toxic to aquatic life. The LC/96-hour values for fish are over 100 mg/l.

## SECTION 12: ECOLOGICAL INFORMATION

**ENVIRONMENTAL FATE:** Ammonium Bifluoride is not expected to significantly bioaccumulate. When released into water, this material may biodegrade to a moderate extent.

**ENVIRONMENTAL TOXICITY:** Ammonium Bifluoride is not expected to be toxic to aquatic life. The LC/96-hour values for fish are over 100 mg/l.

## SECTION 13: DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:** Flush to drain with water, if limited quantity. Rinse empty container with water before discarding.



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## SECTION 14: TRANSPORT INFORMATION

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

**CONTAINER SIZE:** Pails and Drums  
**PROPER SHIPPING NAME:** AMMONIUM HYDROGENDIFLUORIDE, SOLUTION  
**HAZARD CLASS:** 8, 6.1  
**ID NUMBER:** UN2817  
**PACKING GROUP:** II  
**LABEL STATEMENT:** Corrosive and Poison

**CONTAINER SIZES(S):** Quarts  
**PROPER SHIPPING NAME:** COMPOUND, CLEANING LIQUID  
**HAZARD CLASS:** None  
**ID NUMBER:** None  
**PACKING GROUP:** None  
**LABEL STATEMENT:** Limited Quantity Symbol

## SECTION 15: REGULATORY INFORMATION

### U.S. FEDERAL REGULATIONS

**TSCA (TOXIC SUBSTANCE CONTROL ACT):** All of the components intentionally added to this product are listed on the U.S. EPA TSCA inventory.

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

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):** See **313 REPORTABLE INGREDIENTS** below.

**311/312 HAZARD CATEGORIES:** This product is classified as an "immediate (acute) health hazard".

**313 REPORTABLE INGREDIENTS:** \*Chemicals marked with an asterisk in Section Three are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40CFR Part 372. However, if this product is utilized for routine janitorial maintenance, it is exempted from this section, as stated in paragraph B.3.b Activity Exemptions of the Form R instructions.

\* See "**Section Three**" for listings of hazardous and top five ingredients present in concentration greater than 1%.

## SECTION 16: OTHER INFORMATION

**HMIS/NFPA Ratings:** Health = 2  
Flammability = 0  
Reactivity = 1  
Other = -  
Protection = -

**REVISION DATE:** 7/25/13

**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.