SAFETY DATA SHEET

Product: MARC 247 XTRACTOR CARPET CLEANER

Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: MARC 247 XTRACTOR CARPET CLEANER\

SDS DATE: 12/28/2018

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: Carpet cleaner.

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Classification of this mixture in accordance with paragraph (d) of §1910.1200.
Skin Corrosion/Irritation – Category 1C. Eye Damage/Irritation – Category 1.

SIGNAL WORD AND HAZARD AND PRECAUTIONARY STATEMENTS - DANGER: Causes severe skin burns and serious eye damage. Harmful if swallowed. Do not breathe mist. Wash hands, face and any skin contact thoroughly after handling. Wear protective gloves and eye protection. If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin or hair: Take off immediately all contaminated clothing. Rinse skin and hair with water. 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 physician. Store locked up. Dispose of in accordance with federal, state and local regulations. KEEP OUT OF REACH OF CHILDREN!

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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

INGREDIENT	CAS NO.	%WT.
Sodium alkylnaphthalene Sulfonate	N/A	1-4
Sodium Tripolyphosphate	7758-29-4	1-2
Nonylphenol Ethoxylate	9016-45-9	1-5
Sodium Metasilicate	6834-92-0	1-4

SECTION 4: FIRST AID MEASURES

SYMPTOMS: Irritation, burning of affected areas. Causes severe skin burns and serious eye damage. 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 first 5 minutes, then continue rinsing eye. Immediately call a poison control center or doctor/physician.

SKIN: Immediately remove contaminated clothing and shoes. Wash with soap and water for 15-20 minutes. Wash contaminated clothing before reuse. 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 told to do so by the poison control center or doctor. 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. If respiratory irritation, dizziness, or unconsciousness occurs, seek immediate medical assistance.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Treat exposed patients symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Not applicable. Product is not a fire hazard.

UNSUITABLE EXTINGUISHING MEDIA: High pressure water jet.

SPECIAL FIRE FIGHTING PROCEDURES: Prevent human exposure to fire, smoke, fumes or products of combustion. Evacuate non-essential personnel from fire area. 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 clean-up, need for evacuation or restriction to access spill area.

PROTECTIVE EQUIPMENT: Wear protective clothing, eye protection and impervious gloves (e.g. neoprene). (See Section 8.)

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Small spills may be wiped up and rinsed with water. For larger spills, Contain spill with inert material (sand, clay). Transfer material to labeled containers for recovery or proper disposal. After removal, flush area with water.

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

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Read label before use.

OTHER PRECAUTIONS: **KEEP OUT OF REACH OF CHILDREN!! CORROSIVE! DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. CAREFULLY READ ENTIRE LABEL BEFORE USE!**

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

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with occupational exposure limits:

INGREDIENT	TLV
Sodium Alkylnaphthalene Sulfonate	not est.
Sodium Tripolyphosphate	10 mg/m³
Nonylphenol Ethoxylate	not est.
Sodium Metasilicate	none

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.

EYE PROTECTION: Chemical resistant goggles and face protection are recommended.

SKIN PROTECTION/PROTECTIVE GLOVES: Use water impervious gloves (latex or neoprene rubber). No breakthrough time has been established.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Long sleeves, pants, eye wash, safety shower are always advisable when working with chemicals.

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:	Liquid.
COLOR:	Tan
ODOR:	Mild
ODOR THRESHOLD:	No data available.
pH :	12.5-13.5
MELTING POINT:	N/A
FREEZING POINT:	32°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:	Not Applicable.
VAPOR PRESSURE (mmHg):	No data available.
VAPOR DENSITY (AIR = 1):	No data available.
RELATIVE DENSITY:	1.09
SPECIFIC GRAVITY (H2O = 1):	N/A
SOLUBILITY IN WATER:	Complete.
AUTO-IGNITION TEMPERATURE:	Not Applicable.
PARTITION COEFFICIENT:	Not Applicable.
VISCOSITY:	Water thin.

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: No specific reactivity test data is available for this mixture. 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): Oxidizers.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None known.

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

SECTION 11: TOXICOLOGICAL INFORMATION

EYES: Causes serious eye damage.

SKIN: Cause severe skin burns.

INGESTION: If swallowed, this product may cause severe irritation or damage of mucosal linings of the mouth, throat, esophagus or stomach.

INHALATION: Do not breathe mist/vapors/spray. Can cause respiratory irritation, dizziness, or unconsciousness.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: No data is available that addresses medical conditions aggravated by exposure to this product.

SODIUM ALKYLNAPHTHALENE SULFONATE:
Skin irritation-rabbit – minor erythema and edema=not irritant, 24 hours
Eye irritation-rabbit- severe irritation, 0.1ml

SODIUM TRIPOLYPHOSPHATE:
Skin irritation-rabbit-moderate irritation
Eye irritation-rabbit-irritating-unwashed

NONYLPHENOL ETHOXYLATE:

LD50 Oral-Rat-3310 mg/kg
LD50 Dermal-Rabbit->2000 mg/kg

SODIUM METASILICATE:
LD50-Oral-Rat-1280 mg/kg; Mouse-2400 mg/kg

CARCINOGENS: N/A

SECTION 12: ECOLOGICAL INFORMATION

SODIUM ALKYLNAPHTHALENE SULFONATE:
Moderately toxic to aquatic organisms
NONYLPHENOL ETHOXYLATE:
Acute LC50-Fish-1 to 10 mg/L; 96 HOURS
SODIUM METASILICATE:
Moderately toxic aquatic organisms.
PERSISTENCE AND DEGRADABILITY: N/A
BIO-ACCUMULATIVE POTENTIAL: N/A

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:
In accordance with all 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: Compound, cleaning liquid.
HAZARD CLASS: 8
ID NUMBER: UN3266
PACKING GROUP: PGII
LABEL STATEMENT: CORROSIVE

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS
TSCA (TOXIC SUBSTANCE CONTROL ACT): 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 311/312 HAZARD CATEGORIES:

Immediate (Acute) Health Hazard	Yes	**Delayed (Chronic) Health Hazard**	No
Fire Hazard	No	**Reactive Hazard**	No
Sudden Release of Pressure Hazard	No		

Superfund Amendments and Reauthorization Act of 1986 Title III (EPCRA)
SECTION 313 REPORTABLE INGREDIENTS: *Chemicals marked with an asterisk in Section **"3. Composition/Information on Ingredients"** 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.
CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): N/A

SECTION 16: OTHER INFORMATION

HMIS/NFPA Ratings: Health = 1, Flammability = 0, Reactivity = 0.

REVISION DATE: 12/28/2018

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.