SAFETY DATA SHEET

Product: MARC 50 BOWL CLEANER (MILD)

Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: MARC 50 BOWL CLEANER (MILD)

SDS DATE: 06/12/15

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: Concentrated Bowl and Porcelain Cleaner

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Corrosive.

SIGNAL WORD AND PRECAUTIONARY STATEMENTS: **DANGER:** Contains hydrochloric acid, isopropanol and nonylphenol ethoxylate. **CORROSIVE**. Causes severe skin burns and eye damage. Harmful if swallowed or in contact with skin. May cause respiratory irritation. Do not breathe mists. Do not get in eyes, on skin or on clothing. Wash thoroughly after handling. Wear protective gloves and eye protection. Do not eat, drink or smoke when using this product. Keep only in original container. Do not mix with chlorine bleach or other chemicals. Use only in a well-ventilated areas. See Section 4 First Aid Measures below.

POTENTIAL HEALTH EFFECTS: See Section 11 for more information.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Specific percentages may be claimed as a trade secret.

INGREDIENT	CAS NO.	ACGIH TLV	% WT.
Hydrochloric Acid	7647-01-0	5 ppm	5 – 10%
Isopropyl Alcohol	67-63-0	400ppm TWA8	2 – 4%
Nonyl Phenol Ethoxylate	9016-45-9	not est.	0.5 – 3%

SECTION 4: FIRST AID MEASURES

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 physician treatment advice.

SKIN: Immediately take off contaminated clothing. Rinse skin and hair immediately with water for 15-20 minutes. Call a poison control center or physician for treatment advice. Wash contaminated clothing before reuse.

INGESTION: Rinse mouth. Immediately call poison control center or doctor for treatment advice. **DO NOT INDUCE VOMITING** unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

INHALATION: Move person to fresh air and keep comfortable for breathing. If person is not breathing, call a poison control center or doctor for further treatment advice.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: N/A

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: N/A

SPECIAL FIRE FIGHTING PROCEDURES: None.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Heat may cause evolution of hydrogen chloride fumes.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen chloride, carbon oxides.

SECTION 6: ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES: Flush area with water or soak up on solid absorbent, neutralize with soda ash.

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

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Same as EMERGENCY PROCEDURES. Dispose of in accordance with government regulations.

SECTION 7: HANDLING AND STORAGE

GENERAL HANDLING: See Section 8. **DO NOT TAKE INTERNALLY**. Do not contact eyes or skin.

OTHER PRECAUTIONS: **KEEP OUT OF REACH OF CHILDREN!! CORROSIVE! CAREFULLY READ ENTIRE LABEL BEFORE USE! DO NOT MIX WITH CHLORINE BLEACH OR OTHER CHEMICALS!**

STORAGE: Store in original container in an area inaccessible to children.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT	CAS NO.	ACGIH TLV
Hydrochloric Acid	7647-01-0	5 ppm
Isopropyl Alcohol	67-63-0	400ppm TWA8
Nonyl Phenol Ethoxylate	9016-45-9	not est.

ENGINEERING CONTROLS: N/A

VENTILATION : Use with adequate ventilation. Local exhaust if enclosed.

RESPIRATORY PROTECTION: N/A

EYE PROTECTION: Goggles.

SKIN PROTECTION/PROTECTIVE GLOVES: Rubber gloves.

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

WORK HYGIENIC PRACTICES: Wash thoroughly with soap and water after handling and before eating or drinking.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE-	
PHYSICAL STATE:	Thickened liquid
COLOR:	Pink
ODOR:	Sassafras Fragrance
ODOR THRESHOLD:	N/A
pH:	N/A
MELTING/FREEZING POINT:	N/A
BOILING POINT:	212°F
FLASH POINT/METHOD USED:	None
EVAPORATION RATE:	<1 (butyl acetate = 1)
FLAMMABILITY (solid, gas):	N/A
FLAMMABILITY LIMITS:	N/A
VAPOR PRESSURE (mmHg):	N/A
VAPOR DENSITY (AIR = 1):	N/A
SPECIFIC GRAVITY (H2O = 1):	1.03
SOLUBILITY IN WATER:	Complete
VISCOSITY:	Thickened

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: None

STABILITY: Stable

CONDITIONS TO AVOID: N/A

INCOMPATIBILITY (MATERIAL TO AVOID): Alkalies neutralize effectiveness of product; chlorine products.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Hydrogen chloride, carbon oxides.

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

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY HYDROCHLORIC ACID:

Oral: ATEmix (): 900 mg/kg

Dermal: ATEmix (): 1,449 mg/kg

Inhalation: LC50 (Rat, 1 h): 3,124 mg/l

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

Isopropanol: LD50 Oral-Rat = 5840 mg/kg, LD50 dermal-Rabbit > 13000 mg/kg, LC50 Inhalation-Rat = 16000 ppm/8 hour

EYES: Corrosive to eyes; may cause permanent damage.

SKIN: May cause severe burns to skin.

INGESTION: Harmful if swallowed.

INHALATION: Irritation of mucous membranes, burns.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Skin diseases.

CARCINOGENICITY: N/A

TOXICITY TO ANIMALS: N/A

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY:
ACUTE HAZARDS TO THE AQUATIC ENVIRONMENT:
FISH

Specified substance(s): Hydrochloric acid
LC50 (Western mosquitofish (Gambusia affinis), 24 h): 282 mg/l Mortality
LC50 (Western mosquitofish (Gambusia affinis), 48 h): 282 mg/l Mortality
LC50 (Western mosquitofish (Gambusia affinis), 96 h): 282 mg/l Mortality
LC50 (Green or European shore crab (Carcinuus maenas), 48 h): 240 mg/l Mortality
LC50 (Common shrimp, sand shrimp (Crangon crangon), 48 h): 260 mg/l Mortality
Nonylphenol ethoxylate: Acute LC50 –Fish = 1 to 10 mg/L, Exposure time = 96 hours

DEGRADABILITY: Not Available.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with government regulations.

SECTION 14: TRANSPORT INFORMATION

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

CONTAINER SIZES(S): Drums, Gallons
PROPER SHIPPING NAME: COMPOUND, CLEANING LIQUID (CONTAINS HYDROCHLORIC ACID)
HAZARD CLASS: 8
ID NUMBER: NA1760
PACKING GROUP: PGII
LABEL STATEMENT: CORROSIVE

CONTAINER SIZES(S): Quarts**:** Compound, Cleaning Liquid, Limited Quantity

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): N/A

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

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

311/312 HAZARD CATEGORIES: N/A

313 REPORTABLE INGREDIENTS: N/A

SECTION 16: OTHER INFORMATION

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

REVISION DATE: 06/12/15

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.