



SAFETY DATA SHEET

Product: **MARC 50-D HANG TIME**
JELLED DISINFECTANT TOILET BOWL CLEANER

Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: **MARC 50-D HANG TIME**
JELLED DISINFECTANT TOILET BOWL CLEANER

SDS DATE: 12/26/2018

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: Disinfectant Toilet Bowl and Urinal 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 1B Eye Damage/Irritation - Category 1 Corrosive to Metals - 1

SIGNAL WORD AND HAZARD AND PRECAUTIONARY STATEMENTS - DANGER: Causes severe skin burns and serious eye damage. May be corrosive to metals. Do not breathe mist/vapors/spray. Wash hands, face and any skin contact thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Keep only in original container. Absorb spillage to prevent material damage. 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. See 4. First-Aid Measures for specific treatment. Store locked up in corrosive resistant container. Dispose of contents/container to an approved disposal facility. Other Hazards: Harmful if swallowed



SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: Hydrochloric acid solution, blended with detergents, germicides 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>
Hydrochloric Acid (Muriatic Acid)	7647-01-0	9.5-10
Ethanol, 2,2-iminobis-,n-soya alkyl derivs.	73246-96-5	0.9-2.5

Other Ingredients (> 1%)

Water	7732-18-5	>85
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SECTION 4: FIRST AID MEASURES

SYMPTOMS: Causes irritation or burning sensation. 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. Call a poison control center or doctor for treatment advice.

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 person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth to an unconscious person. If respiratory irritation, dizziness, or unconsciousness occurs, seek immediate medical assistance.



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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:** Hydrogen chloride gas may be generated at high temperatures.
- HAZARDOUS DECOMPOSITION PRODUCTS:** Hydrogen chloride.

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:** Provide adequate ventilation. If necessary, use self-contained respirator, or filtered mask. 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, neutralize with sodium carbonate or absorb on inert material (e.g. sand). Pick up absorbent and dispose of at an appropriate waste disposal facility.
- ENVIRONMENTAL PRECAUTIONS:** Prevent spills from entering storm sewers/drains or contact with soil.

SECTION 7: HANDLING AND STORAGE

- PRECAUTIONS FOR SAFE HANDLING:** Never use with chlorine products. Can react to give off chlorine gas. If this occurs, flush toilet to remove chemicals and leave area. Do not return for half hour. Ventilate if possible. Never use or mix with other cleaners or chemicals. Do not use on any surface that can be damaged by acid materials. Do not breathe mist/vapors. Wash with soap and water after handling. Use only according to label directions. (See Section 8.)
- 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, corrosive resistant 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:

<u>COMPONENT</u>	<u>REFERENCE</u>	<u>TWA</u>	<u>PEL</u>
Hydrochloric Acid	ACGIH OSHA	2 ppm	5 ppm (C)

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.

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



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- 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:	Green.
ODOR:	Floral, acidic.
ODOR THRESHOLD:	No data available.
pH (Neat):	<1
MELTING POINT:	N/A
FREEZING POINT:	0°F
BOILING POINT:	212°F
FLASH POINT/METHOD USED:	None
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:	1.045
SPECIFIC GRAVITY (H₂O = 1):	N/A
SOLUBILITY IN WATER:	Complete.
AUTO-IGNITION	
TEMPERATURE:	Not Applicable.
PARTITION COEFFICIENT:	Not Applicable.
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 atmospheric pressures.
- CONDITIONS TO AVOID:** Temperatures above 50°C or below 10°C.
- INCOMPATIBILITY (MATERIAL TO AVOID):** Mixing with bleach, alkali, or oxidizers may generate toxic gases.
- HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Hydrogen chloride.
- 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:** 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.
- ACUTE TOXICITY:** Toxicity data is not available for this mixture. Data below are estimates based on summation methods.



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TEST	RESULTS	CLASSIFICATION (A.0.1(c))	BASIS (A.1.3.6.1)
Oral	>2000mg/kg	Not applicable	Ingredient literature (Additive formula)
Dermal	>2000mg/kg	Not applicable	Ingredient literature (Additive formula)
Inhalation	>20 mg/L	Not applicable	Ingredient literature (Additive formula)
Eye Damage/Irritation	Corrosion	Category 1	Ingredient literature
Skin Damage/Irritation	Corrosion	Category 1B	Ingredient literature

SUMMARY: Skin and eye contact are most likely routes of exposure. Exposure causes skin burns and serious eye damage.

SUBCHRONIC/CHRONIC TOXICITY:

TEST	RESULTS	CLASSIFICATION	BASIS
Skin Sensitization	Not a sensitizer	Not applicable	Ingredient literature

SUMMARY: Repeated or prolonged contact causes skin burns and eye damage.

CARCINOGENS: Ingredients are not listed on the NTP Report on Carcinogens, *IARC Monographs or by OSHA *IARC does list "strong inorganic acid mists" as carcinogenic, but under normal conditions, no exposure to acid mists occurs. Acid solutions are not listed.

OTHER DATA: No other toxicological information is available for this mixture.

SECTION 12: ECOLOGICAL INFORMATION

This material has not been tested for acute environmental effects.

PERSISTENCE AND DEGRADABILITY: Material is not persistent. All organic components > 1% are readily biodegradable.

BIO-ACCUMULATIVE POTENTIAL: No evidence to suggest bio-accumulation will occur.

MOBILITY: Accidental spillage may lead to penetration of soil and groundwater: However, due to degradability, no evidence suggests this would cause adverse ecological effects. Material will lower pH of affected area.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

RCRA Class – D002. Do not contaminate water, food or feed by disposal. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray, or mixture of rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label directions, contact your State Pesticide or Environmental Control Agency, or the hazardous waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse container promptly after emptying. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill. If container is one gallon or less, wrap empty container in plastic bag and discard in trash.

SECTION 14: TRANSPORT INFORMATION

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

CONTAINER SIZES(S): Gallons

PROPER SHIPPING NAME: HYDROCHLORIC ACID, SOLUTION

HAZARD CLASS: 8

ID NUMBER: UN1789

PACKING GROUP: II

LABEL STATEMENT: CORROSIVE

CONTAINER SIZES(S): Quarts: CONSUMER COMMODITY, LIMITED QUANTITY

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): All components are listed on TSCA (US),



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FIFRA: This product is a U.S. EPA Registered pesticide, EPA Reg. No. 8155-6-12204, and is subject to certain labeling requirements under Federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide products. The hazard information required on the pesticide label is reproduced here.

DANGER: Corrosive. Causes irreversible eye damage and skin burns. May be fatal if swallowed. Do not breathe vapor or fumes. Do not get in eyes, on skin or on clothing. Wear protective eyewear (safety goggles or face shield), protective clothing and rubber gloves when handling. Use with adequate ventilation. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove and wash contaminated clothing before reuse.

CHEMICAL HAZARDS: **Never use with chlorine products.** Can react to give chlorine gas. If this occurs, flush toilet to remove chemicals and leave area. Do not return for half an hour. Ventilate if possible. Never use or mix with other cleaners or chemicals. Clean up any spills or drips immediately. Do not use on any surface that can be damaged by acidic materials. Many surfaces are not resistant to acid. **Do not use on PVD finished surfaces.** The pesticide label also includes other important information, including directions for use.

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 =	2	}
	Flammability =	0	
	Reactivity =	0	
	Other =	-	
	Protection =	B	

REVISION DATE: 12/26/2018

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.