



SAFETY DATA SHEET

Product: MARC 48-C CINNAMON URINAL SCREEN

Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: **MARC 48-C CINNAMON URINAL SCREEN**

SDS DATE: 01/15/2019

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: Toilet/Urinal Care Product – Non-Aerosol

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). Skin irritation Category 1, eye irritation category 1.



SIGNAL WORD AND HAZARD STATEMENTS- WARNING: May cause skin irritation and eye irritation. **Precautionary Statements – Prevention**-Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Remove the contaminated clothing and wash. **Response**-Specific treatment (see supplemental first aid instructions on this label). **Eyes**-IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists consult a doctor/physician. **Skin**-IF ON SKIN: No adverse reaction expected. Wash with soap and water. Take off contaminated clothing and wash before reuse. If skin irritation or rash occurs: Get medical advice/attention. **Ingestion**-IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. **Storage**-Store locked up. Store in a well-ventilated place. Keep container tightly closed. **Disposal**-Dispose of contents/container to an approved waste disposal plant. **Hazards not otherwise classified (HNOC)**-Not applicable. **Unknown Toxicity**-25.8391% of the mixture consists of ingredient(s) of unknown toxicity. **Other information**-Toxic to aquatic life. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NO.	WEIGHT - %	TRADE SECRET
Ethylene oxide-Nonylphenol polymer	9016-45-9	40 - 70	*
Maize starch	9005-25-8	10 - 30	*
Phosphoric acid	7664-38-2	3 - 7	*
Subtilisins (proteolytic enzymes)	9014-01-1	1 - 5	*
Didecyldimethylammonium chloride	7173-51-5	1 - 5	*
Ethanol	64-17-5	0.1 - 1	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

GENERAL ADVICE: Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

EYES: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. If irritation persists consult a doctor or physician.

SKIN: Wash off immediately with soap and plenty of water for at least 15 minutes. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician for treatment advice.

INGESTION: Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. **DO NOT INDUCE VOMITING!** Call a physician for treatment advice.

INHALATION: Move person to fresh air. Get medical attention immediately if symptoms occur.

SELF-PROTECTION OF THE FIRST AIDER: Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wear personal protective clothing (See Section 8).

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:



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MOST IMPORTANT SYMPTOMS AND EFFECTS:

Burning sensation. Itching. Rashes. Hives.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Treat symptomatically. May cause sensitization of susceptible persons.

SECTION 5: FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

UNSUITABLE EXTINGUISHING MEDIA: **CAUTION:** Use of water spray when fighting fire may be inefficient.

SPECIAL FIRE FIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Wear self contained breathing apparatus for firefighting if necessary.

UNIFORM FIRE CODE: **Sensitizer: Solid**
Irritant: Solid

UNUSUAL FIRE AND EXPLOSION HAZARDS: The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors. Product is or contains a sensitizer. May cause sensitization by inhalation and skin contact. In the event of fire and/or explosion do not breathe fumes.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon oxides.

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: Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. (See Section 8 EXPOSURE CONTROLS/PERSONAL PROTECTION.)

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers. Use personal protective equipment as required. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Avoid generation of dust. Clean contaminated surface thoroughly. Soak up with inert absorbent material. Dam up. Sweep up and shovel into suitable containers for disposal. After cleaning, flush away traces with water.

ENVIRONMENTAL PRECAUTIONS: Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.

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

STORAGE: Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES:

CHEMICAL NAME	ACGIH TLV	OSHA PEL	NIOSH IDLH
Maize starch 9005-25-8	TWA: 10 mg.m3	TWA: 15 mg/m3 total dust TWA: 5 mg/m3 respirable fraction (vacated) TWA: 15 mg/m3 total Dust	TWA: 10 mg/m3 total dust TWA: 5 mg/m3 respirable dust



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		(vacated) TWA: 5 mg/m3 respirable fraction	
Phosphoric acid 7664-38-2	STEL: 3 mg/m3 TWA: 1 mg/m3	TWA: 1 mg/m3 (vacated) TWA: 1 mg/m3 (vacated) STEL: 3 mg/m3	IDHL: 1000 mg/m3 TWA: 1 mg/m3 STEL: 3 mg/m3
Subtilisins (proteolytic enzymes) 9014-01-1	Ceiling: 0.00006 mg/m3 as crystalline active enzyme	(vacated) STEL: : 0.00006 mg/m3 60 minutes	STEL: : 0.00006 mg/m3 60 min Subtilisins
Ethanol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m3 (vacated) TWA: 1000ppm (vacated) TWA: 1900 mg/m3	IDHL: 3300 ppm 10% LEL TWA: 1000ppm TWA: 1900 mg/m3

ACGIH TLV: American Conference of Governmental Industrial Hygienists – Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration – Permissible Exposure Limits Immediately Dangerous to Life or Health NIOSH IDLH.

APPROPRIATE ENGINEERING CONTROLS/VENTILATION :

Proper ventilation in accordance with good industrial hygiene should be provided.

RESPIRATORY PROTECTION:

No special protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

EYE PROTECTION:

Tight sealing safety goggles. Wear safety glasses and face protection.

SKIN PROTECTION/PROTECTIVE GLOVES:

No special protective equipment required. Wear suitable protective gloves.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

No special protective equipment required.

WORK HYGIENIC PRACTICES:

Handle in accordance with good industrial hygiene and safety practice. Take off contaminated clothing and wash before reuse. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE-

PHYSICAL STATE:	Solid.
COLOR:	Pink.
ODOR:	Cinnamon.
ODOR THRESHOLD:	No data available.
pH (Neat):	No data available.
MELTING/ FREEZING POINT:	No data available.
BOILING POINT:	No data available.
FLASH POINT/METHOD USED:	No data available.
EVAPORATION RATE:	No data available.
FLAMMABILITY (solid, gas):	No data available.
FLAMMABILITY LIMITS:	No data available.
VAPOR PRESSURE (mmHg):	No data available.
VAPOR DENSITY (AIR = 1):	No data available.
SOLUBILITY IN WATER:	Soluble in water.
AUTO-IGNITION TEMPERATURE:	No data available.
PARTITION COEFFICIENT:	No data available.
VISCOSITY:	No data available.

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: No data available.

STABILITY: This product is stable under recommended storage conditions.

CONDITIONS TO AVOID: None known.

INCOMPATIBILITY (MATERIAL TO AVOID): None known.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon oxides.



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HAZARDOUS POLYMERIZATION: Does not occur.

CONDITIONS TO AVOID (POLYMERIZATION): N/A

SECTION 11: TOXICOLOGICAL INFORMATION

INFORMATION ON LIKELY ROUTES OF EXPOSURE: Product does not present an acute toxicity hazard based on known or supplied information.

EYES: Specific test data for the substance or mixture is not available. Not expected to be an irritant based on components. May cause eye irritation. May cause burns.

SKIN: Specific test data for the substance or mixture is not available. Not expected to be an irritant based on components. Prolonged contact may cause redness and irritation.

INGESTION: Specific test data for the substance or mixture is not available. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

INHALATION: Specific test data for the substance or mixture is not available. No irritation expected.

COMPONENT INFORMATION:

INFORMATION ON TOXICOLOGICAL EFFECTS:

SYMPTOMS: Erythema (skin redness). Burning. May cause blindness. Coughing and/or wheezing. Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain, or flushing.

DELAYED AND IMMEDIATED EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE:

Sensitization: No information available.

Mutagenic Effects: No information available.

Carcinogenicity: The table below indicates whether each agency has listed any ingredient as a carcinogen.

CHEMICAL NAME	ACGIH	IARC	NTP	OSHA
Ethanol 64-17-5	A3	Group 1	Known	X

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 – Carcinogen to Humans

NTP (National Toxicology Program)

Known – Known Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

REPRODUCTIVE TOXICITY: No information available.

STOT – single exposure: No information available.

STOT – repeated exposure: No information available.

CHRONIC TOXICITY: No known effect based on information supplied. Repeated contact may cause allergic reactions in very susceptible persons. Avoid repeated exposure. Ethanol has been shown to be a reproductive toxin only when consumed as an alcoholic beverage. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage.

TARGET ORGAN EFFECTS: Eyes. Skin.

ASPIRATION HAZARD: No information available.

NUMERICAL MEASURES OF TOXICITY PRODUCT INFORMATION:

The following values are calculated based on chapter 3.1 of the GHS document.

ATEmix (oral): 5.072.00 mg/kg



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SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: Toxic to aquatic organisms.

CHEMICAL NAME	TOXICITY TO ALGAE	TOXICITY TO FISH	TOXICITY TO MICROORGANISMS	Daphnia Magna (Water Flea)
Phosphoric acid 7664-38-2		96h LC50: 3-3.5 mg/L (Gambusia affinis)		12h EC50= 4.6 mg/L
Ethanol 64-17-5		96h LC50: > 100 mg/L (Pimephales promelas) 96h LC50: 13400 – 15100 mg/L (Pimephales promelas) 96h LC50: 12.0 – 16.0 mL/L (Oncorhynchus mykiss)	EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min	48h LC50: 9265 – 14221 mg/L 48h EC50: = 2 mg/L 24 th EC50: = 10800 mg/L

PERSISTENCE AND DEGRADABILITY: No information available.

CHEMICAL NAME	LOG POW
Ethanol 64-17-5	-0.32

OTHER ADVERSE EFFECTS: No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

CONTAMINATED PACKAGING: Dispose of contents/containers in accordance with local regulations.

CALIFORNIA HAZARDOUS WASTE CODES: 331

This product contains one or more substances that are listed with the State of California as a hazardous waste.

CHEMICAL NAME	CALIFORNIA HAZARDOUS WASTE
Phosphoric acid 7664-38-2	Corrosive
Ethanol 64-17-5	Toxic Ignitable

SECTION 14: TRANSPORT INFORMATION

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

CONTAINER SIZES(S): S
PROPER SHIPPING NAME: DEODORANT OR DISINFECTANT.
HAZARD CLASS: NONE
ID NUMBER: NONE
PACKING GROUP: NONE
LABEL STATEMENT: NONE

SECTION 15: REGULATORY INFORMATION

TSCA (TOXIC SUBSTANCE CONTROL ACT): Complies.

DSL: All components are listed either on the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory.

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List.



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U.S. FEDERAL REGULATIONS

SARA 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 HAZARD CATEGORIES:

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

CWA (Clean Water Act):

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CHEMICAL NAME	CWA – REPORTABLE QUANTITIES	CWA – TOXIC POLLUTANTS	CWA – PRIORITY POLLUTANTS	CWA – HAZARDOUS SUBSTANCES
Phosphoric acid 7664-38-2	5000 lb			X

CERCLA:

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

CHEMICAL NAME	HAZARDOUS SUBSTANCES RQs	EXTREMELY HAZARDOUS SUBSTANCES RQs	RQ
Phosphoric acid 7664-38-2	5000 lb		RQ 5000 lb final 2270 kg final RQ

SECTION 16: OTHER INFORMATION

HMIS/NFPA Ratings:	Health =	1	}
	Flammability =	0	
	Reactivity =	0	
	Other =	-	
	Protection =	X	

REVISION DATE: 0115/2019

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.