



# Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard

HMIS SYMBOL	
HEALTH	1
FLAMMABILITY	0
REACTIVITY	0

HMIS	NFPA	NFPA SYMBOL
SEVERE 4	EXTREME 4	
SERIOUS 3	HIGH 3	
MODERATE 2	MODERATE 2	
SLIGHT 1	SLIGHT 1	
MINIMAL 0	INSIGNIFICANT 0	

**Product: MARC 277 URONIC SALT REMOVER**

## Section I - GENERAL INFORMATION

Company	Mid-American Research Chemical Corp.	Telephone No. (402)564-7104	Fax No. (402)563-1290
Address	P O Box 927 Columbus NE 68602-0927	Date 03/28/06	Formula Trade Secret

InfoTrac 24 Hour Emergency No. 1-800-535-5053

## Section II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Component	CAS Number	Exposure TLV (Units)	%(Optional)
Urea monohydrochloride	N/D	not est.	

## Section III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point (° F.)	212	Specific Gravity (H <sub>2</sub> O=1)	1.02
Vapor Pressure (mm Hg)	N/A	Melting Point (° F.)	N/A
Vapor Density (Air=1)	N/A	Evaporation Rate (Butyl Acetate=1)	<1

Solubility in Water

Complete

Appearance and Odor

Thin clear liquid. Spice fragrance.

## Section IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (° F.) (Method Used)

N/A

Extinguishing Media

N/A

Special Fire Fighting Procedures

None

Unusual Fire and Explosion Hazards

None

N/A = Not Applicable

N/D = Not Determined

(Continued on Reverse Side)



**Section V - REACTIVITY DATA**

Stability	Unstable		Conditions to Avoid
	Stable	<b>X</b>	
Incompatibility (Materials to Avoid)		Chlorine bleach and other oxidizers.	
Hazardous Decomposition or Combustion By-Products		Oxides carbon, nitrogen and chlorine.	
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	<b>X</b>	

**Section VI - HEALTH HAZARD DATA**

Route(s) of Entry:	Inhalation <b>X</b>	Skin <b>X</b>	Ingestion <b>X</b>
Health Hazards (Acute & Chronic)			
Irritation to eyes, skin and mucous membranes. May be corrosive to eyes. Mist may irritate respiratory tract. May be harmful if swallowed.			
Carcinogenicity:	NTP <input type="checkbox"/>	IARC Monographs <input type="checkbox"/>	OSHA Regulated <input type="checkbox"/>
Signs and Symptoms of Overexposure			
Irritation			
Medical Conditions Generally Aggravated by Exposure			
Dermatitis			
Emergency and First Aid Procedures			
<b>Eyes:</b> Immediately flush with water for 15 minutes. Get medical attention if irritation persists. <b>Skin:</b> Immediately flush with water. <b>Ingestion:</b> DO NOT induce vomiting. Drink several glasses of water; call physician immediately. <b>Inhalation:</b> Get fresh air.			

**Section VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

Steps to be Taken in Case Material is Released or Spilled	
Flush with water or soak up on solid absorbent. Neutralize with soda ash.	
Waste Disposal Method	
In accordance with government regulations.	
Precautions to be Taken in Handling and Storing	<b>DO NOT TAKE INTERNALLY.</b>
Avoid eye and skin contact.	
Other Precautions	
<b>KEEP OUT OF REACH OF CHILDREN!! CAREFULLY READ ENTIRE LABEL BEFORE USE!</b>	

**Section VIII - CONTROL MEASURES**

Respiratory Protection (Specify Type)	
Use with adequate ventilation.	
Ventilation	Local Exhaust <b>X</b> Mechanical (General) <input type="checkbox"/>
Other	Avoid breathing mist.
Protective Gloves:	Rubber Eye Protection: Goggles
Other Protective Clothing or Equipment	
As required to limit contact.	
Work/Hygienic Practices	

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.