

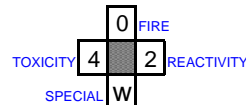


Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication

HMIS SYMBOL	
HEALTH	4
FLAMMABILITY	0
REACTIVITY	2

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



Product: MARC 55 HEAVY DUTY DRAIN CLEANER

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 02/11/94	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)
Sulfuric Acid	7664-93-9	1 mg/m3	90+

Section III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point (° F.)	540	Specific Gravity (H ₂ O=1)	1.84
Vapor Pressure (mm Hg) @ 80° F.	0.0090	Melting Point (° F.)	N/A
Vapor Density (Air=1)	3.38	Evaporation Rate (Butyl Acetate=1)	<1

Solubility in Water

Complete

Appearance and Odor

Clear, light yellow; no odor.

Section IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (° F.) (Method Used)

None

Extinguishing Media

Foam or dry chemical preferable-otherwise use water.

Special Fire Fighting Procedures

The product itself will not burn, but can start fires with certain organic chemicals, nitrates, carbides, chlorates, and metallic powders. Use foam, dry chemical, or in their absence, water.

Unusual Fire and Explosion Hazards

Flammable and explosive hydrogen is generated by the action of the product on some materials. Therefore, avoid open lights, smoking, and generation of sparks near open containers.

N/A = Not Applicable

N/D = Not Determined

(Continued on Reverse Side)



Section V - REACTIVITY DATA

Stability	Unstable	X	Conditions to Avoid
	Stable		N/A
Incompatibility (Materials to Avoid)		Certain organics, nitrates, carbides, chlorates, metallic powders, have exothermic reaction with water and with alkalies.	
Hazardous Decomposition or Combustion By-Products		Sulfur compounds	
Hazardous Polymerization	May Occur	X	Conditions to Avoid
	Will Not Occur		N/A

Section VI - HEALTH HAZARD DATA

Route(s) of Entry:	Inhalation <input checked="" type="checkbox"/>	Eyes/Skin <input checked="" type="checkbox"/>	Ingestion <input checked="" type="checkbox"/>
Health Hazards (Acute & Chronic)			
Severe burns. May be fatal if swallowed. May cause blindness.			
Carcinogenicity:	NTP <input type="checkbox"/>	IARC Monographs <input type="checkbox"/>	OSHA Regulated <input type="checkbox"/>
Signs and Symptoms of Overexposure			
Severe burns.			
Medical Conditions Generally Aggravated by Exposure			
None			
Emergency and First Aid Procedures			
Skin and Eyes: Flush immediately with large amounts of water for 15 minutes. Call a physician! If swallowed, drink large amounts of water immediately. Call a physician!			

PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled	
Zone off contaminated area. Thoroughly flush area with large amounts of water. Spread soda ash, lime, or limestone to neutralize acidity.	
Waste Disposal Method	
Neutralize with soda ash, lime, or limestone. Use caution as considerable heat will generate with some splashing.	
Precautions to be Taken in Handling and Storing	DO NOT TAKE INTERNALLY.
Eliminate possibility of bodily contact as product causes severe burns. Maintain adequate ventilation. Water should be immediately available in handling areas.	
Other Precautions	
KEEP OUT OF REACH OF CHILDREN!! CAREFULLY READ ENTIRE LABEL BEFORE USE!	

Section VIII - CONTROL MEASURES

Respiratory Protection (Specify Type)	
Avoid vapors and mist.	
Ventilation	Local Exhaust <input checked="" type="checkbox"/> Mechanical (General) <input type="checkbox"/>
Other	
Protective Gloves	Rubber gloves
Eye Protection	Goggles
Other Protective Clothing or Equipment	
Rubber or plastic coverings over body areas which could possibly be contacted.	
Work/Hygienic Practices	
Wash hands after use.	

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.