



Material Safety Data Sheet

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

HMIS SYMBOL

HEALTH	1
FLAMMABILITY	0
REACTIVITY	1

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

TOXICITY	0	FIRE	1	REACTIVITY
SPECIAL	1			

Product: MARC 135 COIL CLEANER

A link to MARC's Consumer Product Safety Commission Certificate of Compliance may be found at www.marc1.com/retail.htm.

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 02/26/03	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)
2-Butoxy Ethanol	111-76-2	25ppm	
Isopropyl Alcohol	67-63-0	400ppm	
Potassium Hydroxide	1310-58-3	N/A	
Propane/N-Butane	68476-86-8	1000ppm	

Section III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point (° F.)	N/A	Specific Gravity (H ₂ O=1)	1
Vapor Pressure (mm Hg)	760	Melting Point (° F.)	N/A
Vapor Density (Air=1)	<1	Evaporation Rate (Butyl Acetate=1)	>1

Solubility in Water

100%

Appearance and Odor

White foam, mild odor.

Section IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (° F.) (Method Used)

None

Extinguishing Media

Standard chemical fire extinguisher.

Special Fire Fighting Procedures

Wear self-contained breathing apparatus when indicated.

Unusual Fire and Explosion Hazards

Contents under pressure. Exposure to temperatures above 120° F may cause bursting.

N/A = Not Applicable

N/D = Not Determined

(Continued on Reverse Side)

Section V - REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Temperatures above 120° F. Hot surfaces.
	Stable	X		
Incompatibility (Materials to Avoid)			Strong oxidizers, alkalis, acids.	
Hazardous Decomposition or Combustion By-Products			None known.	
Hazardous Polymerization	May Occur		Conditions to Avoid	N/A
	Will Not Occur	X		

Section VI - HEALTH HAZARD DATA

Route(s) of Entry:	Inhalation X	Skin/Eyes X	Ingestion X
Health Hazards (Acute & Chronic)			
(See Signs and Symptoms)			
Carcinogenicity:	NTP <input type="checkbox"/>	IARC Monographs <input type="checkbox"/>	OSHA Regulated <input type="checkbox"/>
Signs and Symptoms of Overexposure Inhalation: May cause light headiness or dizziness. Skin: May cause slight irritation. Eyes: May cause irritation. Ingestion: May cause nausea.			
Medical Conditions Generally Aggravated by Exposure			
None			
Emergency and First Aid Procedures			
Eyes: Flush with water for 15 minutes. Skin: Wash with soap and water. Inhalation: Remove to fresh air. Ingestion: Drink large quantity of water. In all instances, consult a physician if irritation persists.			

Section VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled	
Mop or wipe up spill. Dispose of residue in accordance with Federal, State and Local guidelines.	
Waste Disposal Method	
Wrap container and place in trash collection. Do not puncture or incinerate container.	
Precautions to be Taken in Handling and Storing	DO NOT TAKE INTERNALLY.
Store in a cool, dry area. Keep away from heat, flames or sparks.	
Other Precautions	
KEEP OUT OF REACH OF CHILDREN!! CAREFULLY READ ENTIRE LABEL BEFORE USE!	

Section VIII - CONTROL MEASURES

Respiratory Protection (Specify Type)			
N/A			
Ventilation	Local Exhaust <input type="checkbox"/>	Adequate	Mechanical (General) <input type="checkbox"/> N/A
Other	N/A		
Protective Gloves:	N/A		Eye Protection: Safety glasses recommended when using chemical products.
Other Protective Clothing or Equipment			
N/A			
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 disclaim

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