



Material Safety Data Sheet

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

HMIS SYMBOL

HEALTH	1
FLAMMABILITY	3
REACTIVITY	0

HMIS

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

NFPA

NFPA SYMBOL

TOXICITY	1	3	FIRE	0	REACTIVITY
SPECIAL					

Product: MARC 127 GRAPHITE LUBRICANT

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	06/16/93	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)
Hydrocarbon Aerosol Propellant	74-98-6/75-28-5	600ppm	
Toluene	108883	100ppm	

Section III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point (° F.)	For toluene	231	Specific Gravity (H ₂ O=1)	Approx.	0.87
Vapor Pressure (mm Hg)	Approx. (psig) In can	45	Melting Point (° F.)		N/A
Vapor Density (Air=1)	Approx.	2	Evaporation Rate (Butyl Acetate=1)	(ether =1)	4.8

Solubility in Water

Slight

Appearance and Odor

Black fluid, leaves thought graphite film.

Section IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (° F.) (Method Used)

For propellant: -156° F. est.

Extinguishing Media

Foam, CO₂, dry chemical

Special Fire Fighting Procedures Keep away from ignition sources when spraying. Avoid accumulation of flammable vapors at low levels as vapors are heavier than air.

Unusual Fire and Explosion Hazards

Avoid bursting of aerosol can, Do not expose to temperatures of 1200 F. or greater

N/A = Not Applicable

N/D = Not Determined

(Continued on Reverse Side)

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Section V - REACTIVITY DATA

Stability	Unstable		Conditions to Avoid
	Stable	<input checked="" type="checkbox"/>	
Incompatibility (Materials to Avoid)			None
Hazardous Decomposition or Combustion By-Products			CO may be formed if burned.
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	<input checked="" type="checkbox"/>	

Section VI - HEALTH HAZARD DATA

Route(s) of Entry:	Inhalation <input type="checkbox"/>	Skin <input checked="" type="checkbox"/>	Ingestion <input type="checkbox"/>
Health Hazards (Acute & Chronic)			
Irritation			
Carcinogenicity:	NTP <input type="checkbox"/>	IARC Monographs <input type="checkbox"/>	OSHA Regulated <input type="checkbox"/>
Signs and Symptoms of Overexposure			
Dizziness, anesthesia or unconsciousness, irritation.			
Medical Conditions Generally Aggravated by Exposure			
None			
Emergency and First Aid Procedures			

Remove to fresh air, artificial respiration if necessary. If sprayed in eyes, flush well with water.

Section VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled	
Absorb on suitable material. Ventilate area well.	
Waste Disposal Method	
Conventional solvent waste receptacle.	
Precautions to be Taken in Handling and Storing	
DO NOT TAKE INTERNALLY.	
Do not spray in direction of body. Do not spray near fire or open flame.	
Other Precautions	
KEEP OUT OF REACH OF CHILDREN!! CAREFULLY READ ENTIRE LABEL BEFORE USE!	
Do not puncture or incinerate. Do not store at 120° F. or more.	

Section VIII - CONTROL MEASURES

Respiratory Protection (Specify Type)	
Ventilation	Local Exhaust <input checked="" type="checkbox"/> Mechanical (General) <input type="checkbox"/>
Other	Adequate ventilation
Protective Gloves:	None required
Eye Protection:	Goggles recommended.
Other Protective Clothing or Equipment	
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.