

MATERIAL SAFETY DATA SHEET

Section 1: Product & Company Identification

Product Name: Chain & Wire Rope Lube Aerosol

Product Number (s): 03050, 73050, 83050

Manufactured By: CRC Industries, Inc. (215) 674-4300
885 Louis Drive, Warminster, PA 18974
24-Hour Emergency Information: CHEMTREC (800) 424-9300

Section 2: Composition/Information on Ingredients

Component	CAS NUMBER	ACGIH TLV	OSHA PEL	OTHER LIMITS	%
Acrylic copolymer	68171-50-6	NE	NE	NE	5-10
Organo molybdenum	68958-92-9	NE	NE	NE	< 2
Hexane isomers	various	500 ppm	500 ppm	100 ppm	60-70
Neutral Oil	72623-86-0	10 mg/m ³	10 mg/m ³	1000 ppm	< 2
Propane	74-98-6	2500 ppm	1000 ppm	1000 ppm	15-20
n-Butane	106-97-8	800 ppm	800 ppm	800 ppm	10-15

Section 3: Hazards Identification

Emergency Overview

Appearance & Odor: Light amber clear liquid, solvent odor.

Danger: Extremely Flammable. Harmful or Fatal if Swallowed. Contents Under Pressure.

Potential Health Effects:

Inhalation: Headaches, dizziness, anesthesia and unconsciousness.
Eyes: Irritation
Skin: Irritation
Ingestion: Gastrointestinal discomfort

Carcinogenicity: OSHA: No IARC: No NTP: No

Chronic Overexposure: Repeated overexposure may cause harm to the nervous system.

Medical Conditions Aggravated by Exposure: Pre-existing lung problems.

Section 4: First Aid Measures

Inhalation: Remove to fresh air. Give artificial respiration if necessary.

Eyes: Flush with large amounts of water for 15 minutes.

Skin: Remove contaminated clothing and wash area with soap and water.

Ingestion: Call a physician. Do not induce vomiting.

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Section 5: Fire-Fighting Measures

Flashpoint: <0 °F Method: TCC LEL: 1.8 UEL: 9.5
Extinguishing Media: CO₂, dry chemical and foam
Hazardous Combustion Products: Thermal - carbon monoxide and carbon dioxide
Fire-fighting Instructions: Remove containers from fire area if possible. Use self-contained breathing apparatus for fire fighting. Aerosol cans may explode if heated above 120°F.

NFPA:	Health:	2	Flammability:	4	Reactivity:	0
HMIS:	Health:	2	Flammability:	4	Reactivity:	0 PPE: B

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Section 6: Accidental Release Measures

Spill/Leak Procedures: Usually not a problem with aerosols. Area should be ventilated. Absorbent should be used to pick up excess material. All used and unused product should be disposed of in accordance with federal, state and local regulations.

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Section 7: Handling and Storage

Handling Procedures: Do not use near open flame, heat, or other sources of ignition. Wash hands after use and before handling food.

Storage Procedures: Store in a cool, dry area. Aerosol cans must be maintained below 120°F to prevent cans from exploding. Keep out of reach of children.

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Section 8: Exposure Controls/Personal Protection

Engineering Controls: Provide local ventilation adequate to prevent accumulation of vapors. Use mechanical means if necessary to maintain levels below the exposure limits. If working in a confined space, follow applicable OSHA regulations.

Respiratory: Use NIOSH/MSHA compliant respirators or self-contained breathing apparatus above exposure limits. Follow OSHA regulations 29 CFR 1910.134.

Protective Clothing/Equipment: Wear chemically protective gloves and safety glasses. Use a splash apron and boots if splashing occurs.

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Section 9: Physical & Chemical Properties

Physical State:	Liquid	Appearance & Odor:	Light amber clear liquid, solvent odor.
Specific Gravity:	0.6327	Boiling Point:	141°F
Freezing Point:	ND	Vapor Pressure:	ND
Evaporation Rate:	NA	Vapor Density (air = 1)	>1
pH:	NA	Solubility:	Not soluble in water.
Volatile Organic Compounds %:	92	g/L: 581	lbs./gal: 4.85

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Section 10: Stability and Reactivity

Stability:	Stable	Hazardous Polymerization:	No
Chemical Incompatibilities:	Strong oxidizers.		
Conditions to Avoid:	Temperature extremes, sources of ignition		
Hazardous Decomposition Products:	None		

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Section 11: Toxicological Information

Long-term toxicological studies have not been conducted for this product. See Section 3 of this MSDS for acute symptoms of overexposure and carcinogenicity information.

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Section 12: Ecological Information

Ecotoxicity:	No data available.
Environmental Fate:	No data available for biodegradation.

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Section 13: Disposal Considerations

Disposal: This material if discarded may be hazardous waste under U.S. EPA RCRA regulations. All disposal activities must comply with federal, state and local regulations. Contact your local or state environmental agency for specific rules. Do not dump into sewers, on the ground or into any body of water.

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Section 14: Transportation Information

Shipping Name:	Consumer Commodity		
Hazard Class:	ORM-D	UN Number:	NA
Label:	NA	Placard:	NA
Special Provisions:	NA		
Packing Group: NA			

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Section 15: Regulatory Information

TSCA:	All components are either listed under TSCA or are exempt.		
SARA Title III:	Section 311/312:	Acute, Pressure	
	Section 313*:	None	
CERCLA/Superfund (RQ):		NA	
Extremely Hazardous Substances:		No	
California Prop 65:		None	

* See section 2 for percentage

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Section 16: Additional Information

Prepared By:	Michelle Milburn	Date:	March 16, 2004
Technical Information:	(800) 521-3168	CRC #:	572B

This information is accurate to the best of CRC Industries' knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label.

CAS:	Chemical Abstract Service	NA:	Not Applicable
ppm:	Parts per Million	ND:	Not Determined
TCC:	Tag Closed Cup	NE:	Not Established
LEL:	Lower Explosive Limit	g/L:	grams per Liter
UEL:	Upper Explosive Limit	lbs./gal:	pounds per gallon
PPE:	Personal Protection Equipment	RQ:	Reportable Quantity