

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: CINCH REGULAR 51125 16 OZ BTC  
 Item No.: 51332  
 Product Type: Lubricant

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
Mineral oil	64742-52-5	25-50
Graphite	7782-42-5	15-20
ALUMINUM	7429-90-5	5-20
PETROLEUM DISTILLATE	64741-44-2	3-10
ALUMINUM OXIDE	1344-28-1	1-5
COPPER*	7440-50-8	1-5
Hydrotreated heavy naphtha	64742-48-9	1-5
Lithium soap	7620-77-1	1-3

\* This component is listed as a SARA Section 313 Toxic Chemical.

Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
Mineral oil	5 mg/m3 mist	5 mg/m3 mist	None
Graphite	2 mg/m3 resp	15 mg/m3 total	None
ALUMINUM	10 mg/m3 dust	5 mg/m3 resp 15 mg/m3 dust	None
PETROLEUM DISTILLATE	5mg/m3 TWA mist	5 mg/m3 respir.	None
ALUMINUM OXIDE	10 mg/m3 (Al)	15mg/m3 Al dust	None
COPPER	1 mg/m3 dust	5mg/m3Al respir	None
Hydrotreated heavy naphtha	None	1 mg/m3 dust	300 ppm
Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)	
Mineral oil	10 mg/m3 mist	None	
PETROLEUM DISTILLATE	10 mg/m3 mist	None	

3. HAZARDS IDENTIFICATION

**Toxicity:** May irritate eyes or skin. Vapors or direct contact may irritate or burn nose and throat. Swallowing may irritate digestive tract and cause nervous system depression. Prolonged skin contact with copper may cause sensitization dermatitis. Copper dusts and mists are eye and mucous membrane irritants and skin sensitizers. Swallowing copper compounds may cause vomiting and collapse. Target organs include respiratory system, nasal septum, skin, eyes, gastrointestinal system, kidneys, liver and cardiovascular system.

**Primary Routes of Entry:** Ingestion, inhalation, skin and eye contact.

**Signs and Symptoms of Exposure:** May cause skin or eye irritation with prolonged or repeated contact. Metal-fume fever, metallic taste, discoloration of skin or hair may indicate exposure to copper. Hemolysis, jaundice, anuria, hypotension, and convulsions may indicate acute copper poisoning.

**Existing Conditions Aggravated by Exposure:** Graphite powder: emphysema, asthma, and other respiratory problems.

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen NTP IARC OSHA
Mineral oil	IRR	NO NO NO
Graphite	LUN	NO NO NO
ALUMINUM	CNS IRR LUN	NO NO NO
PETROLEUM DISTILLATE	IRR	NO NO NO
ALUMINUM OXIDE	COR IRR NUI	NO NO NO
COPPER	BLO CNS GAS IMM IRR KID LIV MUT SEN SKI	NO NO NO
Hydrotreated heavy naphtha	NTO	NO NO NO
Lithium soap	No Data	NO NO NO

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3. HAZARDS IDENTIFICATION (continued)

Abbreviations

BLO Blood	CNS Central nervous system
COR Corrosive	GAS Gastrointestinal
IMM Immune system	IRR Irritant
KID Kidney	LIV Liver
LUN Lung	MUT Mutagen
NTO No Target Organs	NUI Nuisance dust
SEN Sensory	SKI Skin

4. FIRST AID MEASURES

Ingestion:	Do not induce vomiting. Keep individual calm. Obtain medical attention.
Inhalation:	Oil mist: Remove to fresh air. If symptoms persist, obtain medical attention.
Skin Contact:	Wash with soap and water.
Eye Contact:	Flush at least 15 minutes with water. Obtain medical attention.

5. FIRE FIGHTING MEASURES

Flash Point:	More than 200°F	Method: Tag Closed Cup
Recommended Extinguishing Agents:	Carbon dioxide, foam, dry chemical	
Special Firefighting Procedures:	Not available	
Hazardous Products formed by Fire or Thermal Decomp	Metal vapors, oxides of carbon, nitrogen, barium, zinc, sulfur; hydrogen sulfide.	
Unusual Fire or Explosion Hazards:	None	
Explosive Limits:		
(% by volume in air) Lower	30% Aluminum metal	
	1% Gas oil	
(% by volume in air) Upper	Unknown Aluminum metal	
	7% Gas oil	

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case of spill or leak:	Remove sources of ignition. Take up with an inert absorbent. Store in a closed container until disposal.
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7. HANDLING AND STORAGE

Safe Storage:	Keep away from sources of ignition and hot surfaces.
(Contact Loctite Customer Handling:	Service 1-800-243-4874 for shelf life information) Keep away from eyes. Avoid prolonged skin contact. Avoid prolonged breathing of vapors.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes:	Safety glasses or goggles.
Skin:	Neoprene or oil resistant plastic gloves.
Ventilation:	Provide adequate local ventilation to maintain vapor concentration below TLV if misting of oil occurs or compound becomes dry.
Respiratory	Not available
	See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Silver paste
Odor:	Petroleum
Boiling Point:	Not available
pH:	Does not apply
Solubility in Water:	Nil
Specific Gravity	1.1749
Volatile Organic Compound (EPA Method 24)	13.81%; 162 grams per liter
Vapor Pressure:	Less than 5mm at 80°F
Vapor Density:	Not available
Evaporation Rate (Ether = 1)	Not available

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10. STABILITY AND REACTIVITY

Stability: Stable  
Hazardous Polymerization: Will not occur  
Incompatibility: Strong oxidizers, alkalies, mineral acids,  
selected amines.  
Conditions to Avoid: Not available  
Hazardous Decomposition Products (non-thermal): Noxious carbon compounds, hydrogen.

11. TOXICOLOGICAL INFORMATION

See Section 3.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal: Incinerate following EPA and local regulations.  
EPA Hazardous Waste Number: NH - Not a RCRA Hazardous Waste Material

14. TRANSPORTATION INFORMATION

DOT (49 CFR 172)  
Domestic Ground Transport  
Proper Shipping Name: Unrestricted  
Hazard Class or Division: Unrestricted  
Identification Number: None  
Marine Pollutant: None  
IATA  
Proper Shipping Name: Unrestricted  
Class or Division: Unrestricted  
UN or ID Number: None

15. REGULATORY INFORMATION

CA Proposition 65: No Proposition 65 chemicals are known to be present.

16. OTHER INFORMATION

Estimated NFPA(R) Code:  
Health Hazard: 1  
Fire Hazard: 1  
Reactivity Hazard: 1  
Specific Hazard: Does not apply

Estimated HMIS(R) Code:  
Health Hazard: 1\*  
Flammability Hazard: 1  
Reactivity Hazards: 1  
Personal Protection: See Section 8.

NFPA is a registered trademark of the National Fire Protection Assn.  
HMIS is a registered trademark of the National Paint and Coatings Assn.

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