

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Carquest(TM) No-Seize Lubricant High Temp
 Item No.: 26896
 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
GAS OIL	64741-44-2	3-10
ALUMINUM OXIDE	1344-28-1	1-20
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	5 mg/m3 mist
Graphite	2 mg/m3 resp	15 mppcf	None
ALUMINUM	10 mg/m3 dust	15 mg/m3 dust	None
GAS OIL	5mg/m3 TWA mist	5 mg/m3 respir.	None
ALUMINUM OXIDE	10 mg/m3 (A1)	15 mg/m3 dust	None
COPPER	1 mg/m3 dust	5 mg/m3 respir.	None
Hydrotreated heavy naphtha	5mg/m3 TWA mist	1 mg/m3 dust	None
Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
Mineral oil	10 mg/m3 mist	None	
GAS OIL	10 mg/m3 mist	None	
Hydrotreated heavy naphtha	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. Ingestion, inhalation, skin and eye contact.

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
GAS OIL	IRR	NO	NO	NO
ALUMINUM OXIDE	COR IRR NUI	NO	NO	NO
COPPER	BLO CNS GAS IMM IRR KID LIV MUT	NO	NO	NO
Hydrotreated heavy naphtha	SEN SKI			
Lithium soap	NTO	NO	NO	NO
	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 Decomposition: 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.

7. HANDLING AND STORAGE

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