

MATERIAL SAFETY DATA SHEET

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Anti-Seize Lubricant  
 Item No.: 76764  
 Product Type: Lubricant

P-02

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	DAS No.	%
Mineral oil	64742-52-5	25-50
Graphite	7782-42-5	15-20
ALUMINUM	7429-90-5	10-20
GAS OIL	64741-44-2	5-10
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
SILICA, QUARTZ	14808-60-7	0.1-1

\* 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/m <sup>3</sup> mist	5 mg/m <sup>3</sup> mist	5 mg/m <sup>3</sup> mist
Graphite	2 mg/m <sup>3</sup> resp	15 mg/m <sup>3</sup> resp	None
ALUMINUM	10 mg/m <sup>3</sup> dust	15 mg/m <sup>3</sup> dust	None
GAS OIL	5mg/m <sup>3</sup> TWA mist	5mg/m <sup>3</sup> TWA mist	None
ALUMINUM OXIDE	10 mg/m <sup>3</sup> (AI)	15 mg/m <sup>3</sup> dust	None
COPPER	1 mg/m <sup>3</sup> dust	1 mg/m <sup>3</sup> dust	None
Hydrotreated heavy naphtha	5mg/m <sup>3</sup> TWA mist	5mg/m <sup>3</sup> TWA mist	400 ppm
SILICA, QUARTZ	0.1mg/m <sup>3</sup> TWA respirable dust	0.1mg/m <sup>3</sup> TWA respirable dust	None
Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)	.
Mineral oil	10 mg/m <sup>3</sup> mist	None	
GAS OIL	10 mg/m <sup>3</sup> mist	None	
Hydrotreated heavy naphtha	10 mg/m <sup>3</sup> 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.

LOCTITE CORPORATION

1001 TROUT BROOK CROSSING  
ROCKY HILL, CT 06067-3910  
EMERGENCY PHONE: (860) 571-5100 FAX: (860) 571-5465

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Product Name: Anti-Seize Lubricant  
Item No.: 767643. HAZARDS IDENTIFICATION

(continued)

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 CNG GAS IMM IRR KID LIV MUT	NO NO NO
Hydrotreated heavy naphtha	SEN SKI	
Lithium soap	NTD	NO NO NO
SILICA, QUARTZ	No Data	NO NO NO
	IMM LUN SOM	YES 2A NO

Abbreviations

2A Probably carcinogenic to humans	BLO Blood
CNS Central nervous system	COR Corrosive
GAS Gastrointestinal	IMM Immune system
IRR Irritant	KID Kidney
LIV Liver	LUN Lung
MUT Mutagen	NTD No Target Organs
NUI Nuisance dust	SEN Sensory
SKI Skin	SOM Evidence of some carcinogenicity

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 1-800-243-4074 for shelf life information Keep away from eyes. Avoid prolonged skin contact. Avoid prolonged breathing of vapors.

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Item No.: 76764

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

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 Prop65 chemicals are known to be present.

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Product Name: Anti-Seize Lubricant  
Item No.: 7676416. 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 Hazard: 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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## Title:

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## Company:

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(860) 571-5100

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