

HENKEL LOCTITE CORPORATION

ROCKY HILL, CONNECTICUT 06067
EMERGENCY PHONE: (860) 571-5100

MATERIAL SAFETY DATA SHEET

P

Silver Grade Anti-Seize Lubricant

76759

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Silver Grade Anti-Seize Lubricant
 Item No.: 76759
 Product Type: Aerosol lubricant

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
Light aromatic solvent naphtha	64742-95-6	35-45
Mineral oil	64742-52-5	20-25
Liquified petroleum propellant	68476-86-8	15-25
ALUMINUM	7429-90-5	5-10
COPPER*	7440-50-8	5-10
PETROLEUM DISTILLATE	64741-44-2	3-5
Mineral oil, petroleum distillates	64742-53-6	0-3
Lithium soap	7620-77-1	1-3
Graphite	7782-42-5	0.1-1
SILICA, AMORPHOUS, precipitated	112926-00-8	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)	OTH
Light aromatic solvent naphtha	None	None	50p
Mineral oil	5 mg/m3 mist	5 mg/m3 mist	Non
Liquified petroleum propellant	None	None	100 180
ALUMINUM	10 mg/m3 dust	15 mg/m3 dust 5 mg/m3 respir.	Non
COPPER	1 mg/m3 dust	1 mg/m3 dust	Non
PETROLEUM DISTILLATE	5mg/m3 TWA mist	5mg/m3 TWA mist	Non
Mineral oil, petroleum distillates	5 mg/m3 mist	5 mg/m3 mist	Non
Graphite	2 mg/m3 resp	15 mg/m3 total	Non

SILICA, AMORPHOUS, precipitated	10 mg/m3 TWA	5 mg/m3 resp 6 mg/m3 TWA	Non
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2. COMPOSITION, INFORMATION ON INGREDIENTS

Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)
Mineral oil	10 mg/m3 mist	None
PETROLEUM DISTILLATE	10 mg/m3 mist	None
Mineral oil, petroleum distillates	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 fumes are eye and mucous membrane irritants and sensitizers. Swallowing copper compounds cause vomiting and collapse. Target organs include respiratory system, septum, skin, eyes, gastrointestinal system, kidneys, liver, and cardiovascular system. Direct spray or vapors will irritate and burn eyes.

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 respiratory problems.

Ingredients	Literature Referenced		Car
	Target Organ	and Other Health Effects	NTP
Light aromatic solvent naphtha	NTO		NO
Mineral oil	IRR		NO
Liquified petroleum propellant	No Data		NO
ALUMINUM	CNS IRR LUN		NO
COPPER	BLO CNS GAS IMM IRR KID LIV MUT		NO
	SEN SKI		
PETROLEUM DISTILLATE	IRR		NO
Mineral oil, petroleum distillates	IRR SOM		NO

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3. HAZARDS IDENTIFICATION

Lithium soap	No Data	NO
Graphite	LUN	NO
SILICA, AMORPHOUS, precipitated	NUI	NO

Abbreviations

BLO Blood	CNS Central nervous system
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	SOM Some evidence of carcin

4. FIRST AID MEASURES

Ingestion:	Do not induce vomiting. Keep individual Obtain medical attention.
Inhalation:	Oil mist: Remove to fresh air. If sympto persist, obtain medical attention. Apply artificial respiration if needed.
Skin Contact:	Remove contaminated clothing and wash sk soap and water. Get medical attention if

persists.
Eye Contact: Flush at least 15 minutes with water. O
medical attention.

5. FIRE FIGHTING MEASURES

Flash Point: Concentrate:
More than 200°F Method: Tag Clos
Propellant: -156°F

Recommended
Extinguishing Agents: Carbon dioxide, foam, dry chemical
Special Firefighting
Procedures: Keep containers cool using water spray t
bursting. Use proper equipment to protec
personnel from bursting containers.

Hazardous Products formed
by Fire or Thermal Decomp Metal vapors, oxides of carbon, nitrogen
zinc, sulfur; hydrogen sulfide.

Unusual Fire or
Explosion Hazards: Contents under pressure. Do not use near
sparks, or flame. Do not puncture or inc

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5. FIRE FIGHTING MEASURES

container. Exposure to temperatures abov
may cause container to burst.

Explosive Limits:
(% by volume in air)Lower Aluminum metal: 30%
Gas oil: 1%
Propellant: 1.8%
(% by volume in air)Upper Aluminum metal: Unknown
Gas oil: 7%
Propellant: 9.5%

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case
of spill or leak: Remove sources of ignition. Take up with
absorbent. Store in a closed chemical wa
container until disposal.

7. HANDLING AND STORAGE

Safe Storage: Do not store near fire, sparks, or flame puncture or incinerate container. Exposure temperatures above 120°F may cause container burst.

(Contact Loctite Customer Service 1-800-243-4874 for shelf life in Handling: Do not use near fire, sparks, or flame. 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.

Respiratory: NIOSH/MSHA approved respirator if ventilation inadequate.

See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Grey liquid

Odor: Petroleum

Boiling Point: Not available

pH: Does not apply

Solubility in Water: Insoluble

Specific Gravity: Not available

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9. PHYSICAL AND CHEMICAL PROPERTIES

Volatile Organic Compound (EPA Method 24) 10.66% Base only)

Vapor Pressure: 70 psig at 70°F; 138 psi at 130°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 acid selected amines.
Conditions to Avoid: Do not use near fire, sparks, or flame. puncture or incinerate container. Exposure temperatures above 120°F may cause container burst.
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: Transfer to disposal facility licensed to handle aerosols. Do not incinerate pressurized aerosols.
EPA Hazardous Waste Number: D001 - Hazardous waste per 40CFR 261.21

14. TRANSPORTATION INFORMATION

DOT (49 CFR 172)

Domestic Ground Transport

Proper Shipping Name: Consumer Commodity
Hazard Class or Division: ORM-D
Identification Number: None
Marine Pollutant: None

IATA

Proper Shipping Name: Aerosols, flammable
Class or Division: Division 2.1

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14. TRANSPORTATION INFORMATION

UN or ID Number: UN 1950

15. REGULATORY INFORMATION

CA Proposition 65: Warning: This product contains a chemical that may cause cancer or reproductive harm under the State of California to cause

16. OTHER INFORMATION

Estimated NFPA(R) Code:

Health Hazard: 1
Fire Hazard: 4
Reactivity Hazard: 1
Specific Hazard: Does not apply

Estimated HMIS(R) Code:

Health Hazard: 1*
Flammability Hazard: 4
Reactivity Hazards: 1
Personal Protection: See Section 8.

NFPA is a registered trademark of the National Fire Protection Association
HMIS is a registered trademark of the National Paint and Coatings Institute

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