



Revision Date: 04/28/2004

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**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Product name:** Silver Grade Anti-Seize Lubricant  
**Product type:** Lubricant  
**Company address:**  
Henkel Corporation  
1001 Trout Brook Crossing  
Rocky Hill, Connecticut 06067

**Item number:** 76775  
**Region:** United States  
**Contact Information:**  
Telephone: 860.571.5100  
Emergency telephone: 860.571.5100  
Internet: www.loctite.com

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Graphite 7782-42-5	10-30	2 mg/m <sup>3</sup> TWA	15 mg/m <sup>3</sup> (total), 5 mg/m <sup>3</sup> (respirable)	None
Calcium oxide 1305-78-8	10-30	2 mg/m <sup>3</sup> TWA	5 mg/m <sup>3</sup> (TWA)	None
Aluminum 7429-90-5	5-10	10 mg/m <sup>3</sup> TWA 5 mg/m <sup>3</sup> TWA	15 mg/m <sup>3</sup> TWA (total), 5 mg/m <sup>3</sup> (respirable)	None
Silica, quartz 14808-60-7	0.1-1	0.05 mg/m <sup>3</sup> TWA	0.1mg/m <sup>3</sup> TWA (respirable)	None

**3. HAZARDS IDENTIFICATION**

<u>EMERGENCY OVERVIEW</u>		
<u>HMIS:</u>		
<b>Physical state:</b> Paste	<b>HEALTH:</b>	1
<b>Color:</b> Silver	<b>FLAMMABILITY:</b>	1
<b>Odor:</b> Hydrocarbon-like	<b>PHYSICAL HAZARD:</b>	1
	<b>Personal Protection:</b>	See Section 8
<b>WARNING: CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION</b>		

**Relevant routes of exposure:** Skin, inhalation, eyes

Potential Health Effects

<b>Inhalation:</b>	Moderate respiratory tract irritation.
<b>Skin contact:</b>	Moderate skin irritation.
<b>Eye contact:</b>	Moderate eye irritation.
<b>Ingestion:</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Principal hazard of ingestion is aspiration into the lungs and subsequent pneumonitis.

**Existing conditions aggravated by exposure:** Eye, skin, and respiratory disorders.

See Section 11 for additional toxicological information.

#### 4. FIRST AID MEASURES

<b>Inhalation:</b>	Remove to fresh air. If discomfort persists seek medical attention.
<b>Skin contact:</b>	Wash with soap and water. If symptoms persist, obtain medical attention.
<b>Eye contact:</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
<b>Ingestion:</b>	Do not induce vomiting. Get medical attention immediately.

#### 5. FIRE-FIGHTING MEASURES

<b>Flash point:</b>	>93°C (>200°F) Decomposes before flashing.
<b>Flashback:</b>	Not applicable
<b>Flame Projection:</b>	Not applicable
<b>Autoignition temperature:</b>	Not determined
<b>Flammable/Explosive limits-lower %:</b>	Not available
<b>Flammable/Explosive limits-upper %:</b>	Not available
<b>Extinguishing media:</b>	Carbon dioxide (CO2). Foam. Dry chemical.
<b>Special fire fighting procedures:</b>	None
<b>Unusual fire or explosion hazards:</b>	None
<b>Hazardous combustion products:</b>	Oxides of carbon. Oxides of nitrogen.

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Environmental precautions:</b>	Prevent further leakage or spillage.
<b>Clean-up methods:</b>	Remove all ignition sources. Soak up with inert absorbent. Store in a closed container until ready for disposal.

#### 7. HANDLING AND STORAGE

<b>Handling:</b>	Keep away from heat, spark and flame. Avoid contact with skin and eyes.
<b>Storage:</b>	Keep in a cool, well ventilated area.
<b>Incompatible products:</b>	No special restrictions on storage with other products.

For information on product shelf life contact Henkel Customer Service at (800) 243-4874.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Engineering controls:</b>	Use local ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.
<b>Respiratory protection:</b>	Use NIOSH approved respirator if there is potential to exceed exposure limit(s).
<b>Skin protection:</b>	Neoprene or oil resistant gloves
<b>Eye/face protection:</b>	Safety goggles or safety glasses with side shields.

See Section 2 for exposure limits.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Paste  
**Color:** Silver  
**Odor:** Hydrocarbon-like  
**Vapor pressure:** <5 mmHg @20°C (68° F)  
**pH:** Not applicable  
**Boiling point/range:** Not available  
**Melting point/range:** Not available  
**Specific gravity:** 1.25  
**Vapor density:** Not available  
**Evaporation rate:** Not available  
**Solubility in water:** Insoluble  
**Partition coefficient (n-octanol/water):** Not determined  
**VOC content:** 12.96%; 162 grams/liter

## 10. STABILITY AND REACTIVITY

**Stability:** Stable.  
**Hazardous polymerization:** Will not occur.  
**Hazardous decomposition products:** None reasonably foreseeable  
**Incompatibility:** Strong oxidizing agents.  
**Conditions to avoid:** None known.

## 11. TOXICOLOGICAL INFORMATION

### Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Graphite	No	No	No
Calcium oxide	No	No	No
Aluminum	No	No	No
Silica, quartz	Known Carcinogen	Group 1	Yes

### Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Graphite	Lung
Calcium oxide	Irritant, Eyes, Corrosive
Aluminum	Central nervous system, Irritant, Lung
Silica, quartz	Some evidence of carcinogenicity, Lung, Immune system

## 12. ECOLOGICAL INFORMATION

**Ecological information:** Not available

## 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

**Recommended method of disposal:** Dispose of according to Federal, State and local governmental regulations.

**EPA hazardous waste number:** Not a RCRA hazardous waste.

## 14. TRANSPORT INFORMATION

Item number: 76775

Product name: Silver Grade Anti-Seize Lubricant

**U.S. Department of Transportation Ground (49 CFR):**

Proper shipping name: Unrestricted  
Hazard class or division: None  
Identification number: None  
Packing group: None

**International Air Transportation (ICAO/IATA):**

Proper shipping name: Unrestricted  
Hazard class or division: None  
Identification number: None  
Packing group: None

**Water Transportation (IMO/MDG):**

Proper shipping name: Unrestricted  
Hazard class or division: None  
Identification number: None  
Packing group: None  
Marine pollutant: None

**15. REGULATORY INFORMATION**

**United States Regulatory Information**

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.  
TSCA 12 (b) Export Notification: None.

CERCLA/SARA Section 302 EHS: None.  
CERCLA/SARA Section 311/312: Immediate Health Hazard  
CERCLA/SARA 313: Aluminum (CAS# 7429-90-5) .

California Proposition 65: No California Proposition 65 listed chemicals are known to be present.

**Canada Regulatory Information**

CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the Domestic Substances List.  
WHMIS hazard class: D.2.A, D.2.B

**16. OTHER INFORMATION**

This material safety data sheet contains changes from the previous version in sections: Revised to new format.

Prepared by: C.J. Michaels, Senior Health & Regulatory Affairs Specialist

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