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**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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

**Item number:** 37617  
**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>
Petroleum distillates	30-60	5 mg/m <sup>3</sup> TWA (mist) 10mg/m <sup>3</sup> STEL (mist)	5 mg/m <sup>3</sup> TWA (mist)	None
Graphite 7782-42-5	10-30	2 mg/m <sup>3</sup> TWA (respirable fraction, all forms except graphite fibers)	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 (metal dust)	15 mg/m <sup>3</sup> TWA (total), 5 mg/m <sup>3</sup> ( respirable)	None

**3. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

**HMIS:**

<b>Physical state:</b> Solid	<b>HEALTH:</b>	1
<b>Color:</b> Silver	<b>FLAMMABILITY:</b>	1
<b>Odor:</b> Mild petroleum	<b>PHYSICAL HAZARD:</b>	0
	<b>Personal Protection:</b>	See Section 8

**CAUTION:** CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION

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

**Potential Health Effects**

**Inhalation:** Moderate respiratory tract irritation.  
**Skin contact:** Moderate skin irritation.  
**Eye contact:** Moderate eye irritation.  
**Ingestion:** 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. Get medical attention if symptoms develop and persist.
<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. Aspiration may cause pulmonary edema and pneumonitis. Obtain medical attention.

#### 5. FIRE-FIGHTING MEASURES

<b>Flash point:</b>	Not applicable Product is a solid. Burn Rate: Approx 12mm/2 minutes
<b>Autoignition temperature:</b>	Not determined
<b>Flammable/Explosive limits-lower %:</b>	Not determined
<b>Flammable/Explosive limits-upper %:</b>	Not determined
<b>Extinguishing media:</b>	Carbon dioxide (CO2). Dry chemical. Foam.
<b>Special fire fighting procedures:</b>	None
<b>Unusual fire or explosion hazards:</b>	None
<b>Hazardous combustion products:</b>	Oxides of carbon.

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Environmental precautions:</b>	No special environmental precautions required.
<b>Clean-up methods:</b>	Scrape up as much material as possible. Clean residue with soap and water. Dispose of in accordance with local and national regulations.

#### 7. HANDLING AND STORAGE

<b>Handling:</b>	Keep container closed. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
<b>Storage:</b>	Keep in a cool, well ventilated area.
<b>Incompatible products:</b>	Oxidizing agents.

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

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Engineering controls:</b>	Ensure adequate ventilation. Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.
<b>Respiratory protection:</b>	Use NIOSH approved respirator if there is potential to exceed exposure limit(s). Observe OSHA regulations for respiratory use (29 CFR 1910.134).
<b>Skin protection:</b>	Cover as much of the exposed skin area as possible with appropriate clothing.
<b>Eye/face protection:</b>	Safety glasses with side-shields. Goggles.

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See Section 2 for exposure limits.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Solid  
**Color:** Silver  
**Odor:** Mild petroleum  
**Vapor pressure:** Not determined  
**pH:** Not applicable  
**Boiling point/range:** Not available  
**Melting point/range:** Not available  
**Specific gravity:** 1.10  
**Vapor density:** Not determined  
**Evaporation rate:** Not determined  
**Solubility in water:** Insoluble  
**Partition coefficient (n-octanol/water):** Not determined  
**VOC content:** 12.69%; 147 grams/liter

## 10. STABILITY AND REACTIVITY

**Stability:** Stable at normal conditions  
**Hazardous polymerization:** Will not occur.  
**Hazardous decomposition products:** Oxides of carbon.  
**Incompatibility:** Oxidizing agents.  
**Conditions to avoid:** None known.

## 11. TOXICOLOGICAL INFORMATION

### Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Petroleum distillates	No	No	No
Graphite	No	No	No
Calcium oxide	No	No	No
Aluminum	No	No	No

### Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Petroleum distillates	Irritant
Graphite	Lung
Calcium oxide	Irritant, Eyes, Corrosive
Aluminum	Central nervous system, Irritant, Lung

## 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 available

### 14. TRANSPORT INFORMATION

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

**Proper shipping name:** Not regulated  
**Hazard class or division:** None  
**Identification number:** None  
**Packing group:** None

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

**Proper shipping name:** Not regulated  
**Hazard class or division:** None  
**Identification number:** None  
**Packing group:** None

**WaterTransportation (IMO/IMDG):**

**Proper shipping name:** Not regulated  
**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:** This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Aluminum (CAS# 7429-90-5) .

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

**Canada Regulatory Information**

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

## 16. OTHER INFORMATION

**This material safety data sheet contains changes from the previous version in sections:**  
New Material Safety Data Sheet format.

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

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