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**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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

**Item number:** 51171  
**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>
White mineral oil (petroleum) 8042-47-5	30-60	5mg/m <sup>3</sup> TWA (mist): 10mg/m <sup>3</sup> STEL (mist)	5mg/m <sup>3</sup> TWA (mist):	None
Calcium hydroxide 1305-62-0	10-30	5 mg/m <sup>3</sup> TWA	15 mg/m <sup>3</sup> TWA (total dust) 5 mg/m <sup>3</sup> TWA (respirable fraction)	None
Talc 14807-96-6	5-10	2 mg/m <sup>3</sup> TWA (respirable fraction, particulate matter containing no asbestos and <1% crystalline silica)	20 mppcf	50 ppm
Zinc oxide 1314-13-2	5-10	10 mg/m <sup>3</sup> STEL (fume) 10 mg/m <sup>3</sup> TWA (dust) 5 mg/m <sup>3</sup> TWA (fume)	15 mg/m <sup>3</sup> TWA (total dust) 5 mg/m <sup>3</sup> TWA (respirable fraction) 5 mg/m <sup>3</sup> TWA (fume)	None

**3. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

**HMIS:**

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

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

**Relevant routes of exposure:** Skin, Eyes

**Potential Health Effects**

**Inhalation:** This product has low volatility and is not expected to cause respiratory tract irritation during normal conditions of use. May cause respiratory tract irritation. Inhalation of high levels of zinc oxide may cause metallic taste, cough, fever, chills, head ache, dizziness, tightness of the chest, nausea, and vomiting, (metal fume fever).

**Skin contact:** Severe skin irritation. Swelling. Redness.

**Eye contact:** Contact with eyes will cause irritation. Blurred vision. Excess tearing. Pain and discomfort.

**Ingestion:** May cause burns of mouth and throat if swallowed.

**Existing conditions aggravated by exposure:**

Eye, skin, and respiratory disorders.

**See Section 11 for additional toxicological information.**

#### 4. FIRST AID MEASURES

**Inhalation:** Remove to fresh air. If discomfort persists seek medical attention.

**Skin contact:** Wash with soap and water. Get medical attention if symptoms develop and persist.

**Eye contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

**Ingestion:** Do not induce vomiting. Aspiration may cause pulmonary edema and pneumonitis. Obtain medical attention.

#### 5. FIRE-FIGHTING MEASURES

**Flash point:** 154°C (310°F) Cleveland open cup

**Autoignition temperature:** Not determined

**Flammable/Explosive limits-lower %:** Not determined

**Flammable/Explosive limits-upper %:** Not determined

**Extinguishing media:** Carbon dioxide (CO<sub>2</sub>). Dry chemical. Foam. Water spray.

**Special fire fighting procedures:** None

**Unusual fire or explosion hazards:** None

**Hazardous combustion products:** Oxides of carbon.

#### 6. ACCIDENTAL RELEASE MEASURES

**Environmental precautions:** No special environmental precautions required.

**Clean-up methods:** 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

**Handling:** Keep container closed. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

**Storage:** Keep in a cool, well ventilated area.

**Incompatible products:** Oxidizing agents.

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

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering controls:** Ensure adequate ventilation. Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.

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**Respiratory protection:** Use NIOSH approved respirator if there is potential to exceed exposure limit(s). Observe OSHA regulations for respiratory use (29 CFR 1910.134).

**Skin protection:** Cover as much of the exposed skin area as possible with appropriate clothing.

**Eye/face protection:** Safety glasses with side-shields. Goggles.

See Section 2 for exposure limits.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Paste  
**Color:** White  
**Odor:** Mild petroleum  
**Vapor pressure:** Not determined  
**pH:** Not applicable  
**Boiling point/range:** Not available  
**Melting point/range:** Not available  
**Specific gravity:** 1.17999  
**Vapor density:** Heavier than air  
**Evaporation rate:** Less than butyl acetate.  
**Solubility in water:** Insoluble  
**Partition coefficient (n-octanol/water):** Not determined  
**VOC content:** Essentially Zero

## 10. STABILITY AND REACTIVITY

**Stability:** Stable at normal conditions

**Hazardous polymerization:** Will not occur.

**Hazardous decomposition products:** Oxides of carbon. Hydrocarbons

**Incompatibility:** Oxidizing agents.

**Conditions to avoid:** None known.

## 11. TOXICOLOGICAL INFORMATION

### Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
White mineral oil (petroleum)	No	No	No
Calcium hydroxide	No	No	No
Talc	No	No	No
Zinc oxide	No	No	No

### Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
White mineral oil (petroleum)	Irritant
Calcium hydroxide	Irritant, Corrosive
Talc	Some evidence of carcinogenicity, Lung, Irritant
Zinc oxide	Skin, Respiratory, Pancreas, Metabolic, Kidney, Irritant, Immune system, Blood, Nervous System, Gastrointestinal

## 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

**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, Delayed 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). Zinc oxide (CAS# 1314-13-2)( Dust and fumes only).

**California Proposition 65:** This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. Lead (CAS# 7439-92-1). Cadmium (CAS# 7440-43-9).

**Canada Regulatory Information**

**CEPA DSL/NDL Status:** Contains one or more components listed on the Non-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:**  
New Material Safety Data Sheet format.

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