



Revision Date: 03/03/2004

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### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Moly Paste  
**Product type:** Lubricant  
**Company address:**  
Henkel Corporation  
1001 Trout Brook Crossing  
Rocky Hill, Connecticut 06067

**Item number:** 51049  
**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>
Molybdenum disulfide 1317-33-5	60-100	10 mg/m <sup>3</sup> TWA (inhalable fraction) 3 mg/m <sup>3</sup> TWA (respirable fraction) 5 mg/m <sup>3</sup> TWA (respirable fraction)	15 mg/m <sup>3</sup> TWA (total dust) 5 mg/m <sup>3</sup> TWA (as Mo)	None
Petroleum distillates 64742-52-5/64742-53-6	1-5	5 mg/m <sup>3</sup> TWA (mist) 10mg/m <sup>3</sup> STEL (mist)	5 mg/m <sup>3</sup> TWA (mist)	None

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

##### HMIS:

**Physical state:** Paste  
**Color:** Grey to Black  
**Odor:** Mild petroleum

**HEALTH:** 1  
**FLAMMABILITY:** 1  
**PHYSICAL HAZARD:** 0  
**Personal Protection:** See Section 8

**CAUTION:** MAY CAUSE EYE AND SKIN IRRITATION.

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

#### Potential Health Effects

**Inhalation:** May cause respiratory tract irritation. This product has low volatility and is not expected to cause respiratory tract irritation during normal conditions of use.  
**Skin contact:** Prolonged or repeated contact may cause irritation.  
**Eye contact:** Contact with eyes will cause 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.

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#### 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>	160°C (320°F) Tagiabue
<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 (CO <sub>2</sub> ). Dry chemical. Foam. Water spray.
<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>	Do not allow material to contaminate ground water system.
<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 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>	No personal respiratory protective equipment normally required. 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:** Paste  
**Color:** Grey to Black  
**Odor:** Mild petroleum  
**Vapor pressure:** Not determined  
**pH:** Not applicable  
**Boiling point/range:** Not available  
**Melting point/range:** Not available  
**Specific gravity:** 1.9614  
**Vapor density:** Heavier than air  
**Evaporation rate:** Less than butyl acetate.  
**Solubility in water:** Slightly soluble  
**Partition coefficient (n-octanol/water):** Not determined  
**VOC content:** Not available

## 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
Molybdenum disulfide	No	No	No
Petroleum distillates 64742-52-5/64742-53-6	No	No	No

### Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Molybdenum disulfide	No Target Organs
Petroleum distillates 64742-52-5/64742-53-6	Irritant

## 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

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**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

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

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). None.

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.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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