



Revision Date: 01/14/2008

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### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product name:** C-200 Solid Film Lubricant  
**Product type:** Lubricant  
**Company address:**  
 Henkel Corporation  
 One Henkel Way  
 Rocky Hill, Connecticut 06067

**Item No. :** 39893 / IDH No. 233496  
**Region:** United States  
**Contact Information:**  
 Telephone: (860) 571-5100  
 Emergency telephone: (860) 571-5100  
 Internet: www.henkelna.com

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

<b>Hazardous components</b>	<b>%</b>	<b>ACGIH TLV</b>	<b>OSHA PEL</b>	<b>OTHER</b>
Distillates (petroleum), hydrotreated heavy naphthenic 64742-52-5	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
Molybdenum disulfide 1317-33-5	10-30	10 mg/m <sup>3</sup> TWA	10 mg/m <sup>3</sup> TWA	None
Lead monoxide 1317-36-8	10-30	0.05 mg/m <sup>3</sup> TWA	30 µg/m <sup>3</sup> Action Level as Pb. Poison - see 29 CFR 1910.1025 50 µg/m <sup>3</sup> TWA as Pb 50 µg/m <sup>3</sup> PEL as Pb	None
Graphite 7782-42-5	10-30	2 mg/m <sup>3</sup> TWA all forms except graphite fibers	15 mg/m <sup>3</sup> (total), 5 mg/m <sup>3</sup> (respirable)	None
Siloxanes and silicones, di-me, me vinyl, hydroxy-terminated 68037-81-0	1-5	None	None	None
Xylene 1330-20-7	1-5	100 ppm TWA 150 ppm STEL	100 ppm TWA 435 mg/m <sup>3</sup> TWA	None
Ethyl benzene 100-41-4	1-5	100 ppm TWA 125 ppm STEL	100 ppm TWA 435 mg/m <sup>3</sup> TWA	None

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

**Physical state:** Solid  
**Color:** Black  
**Odor:** Slight, Oily

#### HMIS:

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

**CAUTION:** MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

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

#### Potential Health Effects

**Inhalation:** Mild respiratory tract irritation. Lead is a cumulative poison and continuous exposure to small amounts over time can raise the body's content to toxic levels.  
**Skin contact:** May cause irritation due to defatting of the skin.  
**Eye contact:** May cause irritation.

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**Ingestion:**

Lead is a cumulative poison and continuous exposure to small amounts over time can raise the body's content to toxic levels.

**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:**

Remove contaminated clothing and shoes. Wash with soap and water. Get medical attention if symptoms develop and persist. Wash clothing before reuse.

**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:**

Product is a solid. Not classified as a flammable solid per DOT Classification Guidelines Part 173 Appendix H 7/10/2002.

**Autoignition temperature:**

Not determined

**Flammable/Explosive limits-lower %:**

Not available

**Flammable/Explosive limits-upper %:**

Not available

**Extinguishing media:**

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

**Special fire fighting procedures:**

Use water spray to keep fire exposed containers cool and disperse vapors.

**Unusual fire or explosion hazards:**

None

**Hazardous combustion products:**

Oxides of carbon.

#### 6. ACCIDENTAL RELEASE MEASURES

**Environmental precautions:**

Remove sources of ignition. Contain spill. Prevent further leakage or spillage. Do not let product enter drains. Ventilate area.

**Clean-up methods:**

Scrape up spilled material and place in sealed container for disposal.

#### 7. HANDLING AND STORAGE

**Handling:**

Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling.

**Storage:**

Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.

**Incompatible products:**

Not available

For information on product shelf life contact Henkel 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.

**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:** Chemical resistant, impermeable gloves.

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

See Section 2 for exposure limits.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Solid  
**Color:** Black  
**Odor:** Slight, Oily  
**Vapor pressure:** Not available  
**pH:** Not applicable  
**Boiling point/range:** Not available  
**Melting point/range:** Not available  
**Specific gravity:** 1.4406  
**Vapor density:** Heavier than air  
**Evaporation rate:** Slower than butyl acetate  
**Solubility in water:** Slightly soluble  
**Partition coefficient (n-octanol/water):** Not available  
**VOC content:** Essentially Zero (Exempt Compounds)

## 10. STABILITY AND REACTIVITY

**Stability:** Stable at normal conditions

**Hazardous polymerization:** Will not occur.

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

**Incompatibility:** Oxidizing agents. Strong acids and strong bases.

**Conditions to avoid:** Prolonged exposure to heat.

## 11. TOXICOLOGICAL INFORMATION

### Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Distillates (petroleum), hydrotreated heavy naphthenic 64742-52-5	No	No	No
Molybdenum disulfide 1317-33-5	No	No	No
Lead monoxide 1317-36-8	Suspect Carcinogen	Group 2A Group 2B Group 2B	Yes
Graphite 7782-42-5	No	No	No
Siloxanes and silicones, di-me, me vinyl, hydroxy-terminated 68037-81-0	No	No	No
Xylene 1330-20-7	No	No	No
Ethyl benzene 100-41-4	No	Group 2B	Yes

### Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Distillates (petroleum), hydrotreated heavy naphthenic 64742-52-5	Irritant
Molybdenum disulfide 1317-33-5	No Target Organs
Lead monoxide 1317-36-8	Irritant, Nervous System, Gastrointestinal, Blood, Kidney, Teeth, Reproductive, Developmental, Liver, Muscle, Cardiac, Vascular, Behavioral, Eyes, Thyroid
Graphite 7782-42-5	Lung
Siloxanes and silicones, di-me, me vinyl, hydroxy-terminated 68037-81-0	No Records
Xylene 1330-20-7	Cardiac, Central nervous system, Irritant, Kidney, Liver
Ethyl benzene 100-41-4	Central nervous system, 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: D008 Lead

## 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/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

<b>TSCA 8 (b) Inventory Status:</b>	All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
<b>TSCA 12 (b) Export Notification:</b>	None.
<b>CERCLA/SARA Section 302 EHS:</b>	None.
<b>CERCLA/SARA Section 311/312:</b>	Immediate Health Hazard, Delayed Health Hazard
<b>CERCLA/SARA 313:</b>	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). Lead (CAS# 7439-92-1). Ethyl benzene (CAS# 100-41-4). Xylene (CAS# 1330-20-7). Toluene (CAS# 108-88-3).
<b>California Proposition 65:</b>	This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

### Canada Regulatory Information

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

## 16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: 15

Prepared by: Regulatory Affairs

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