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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: C-200 Solid Film Lubricant	Item No. : 39893 / IDH No. 233496
Product type: Lubricant	Region: United States
Company address: Henkel Corporation 1001 Trout Brook Crossing Rocky Hill, Connecticut 06067	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>
Distillates (petroleum), hydrotreated heavy naphthenic 64742-52-5	30-60	5 mg/m ³ TWA (mist) 10mg/m ³ STEL (mist)	5 mg/m ³ TWA (mist)	None
Molybdenum disulfide 1317-33-5	10-30	10 mg/m ³ TWA	10 mg/m ³ TWA	None
Lead monoxide 1317-36-8	10-30	0.05 mg/m ³ TWA	30 µg/m ³ Action Level as Pb. Poison - see 29 CFR 1910.1025 50 µg/m ³ TWA as Pb 50 µg/m ³ PEL as Pb	None
Graphite 7782-42-5	10-30	2 mg/m ³ TWA all forms except graphite fibers	15 mg/m ³ (total), 5 mg/m ³ (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 ³ TWA	None
Ethyl benzene 100-41-4	1-5	100 ppm TWA 125 ppm STEL	100 ppm TWA 435 mg/m ³ TWA	None

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS:

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

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.

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 (CO₂). 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.

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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

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, 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). Lead (CAS# 7439-92-1). Ethyl benzene (CAS# 100-41-4). Xylene (CAS# 1330-20-7). Toluene (CAS# 108-88-3).
California Proposition 65:	This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

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: 15

Prepared by: Regulatory Affairs

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