



Revision Date: 09/27/2004

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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

Item No. : 76732
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 ³ TWA (mist) 10mg/m ³ STEL (mist) | 5 mg/m ³ TWA (mist) | None |
| Graphite 7782-42-5 | 10-30 | 2 mg/m ³ TWA respirable fraction, all forms except graphite fibers | 15 mg/m ³ (total), 5 mg/m ³ (respirable) | None |
| Calcium oxide 1305-78-8 | 10-30 | 2 mg/m ³ TWA | 5 mg/m ³ (TWA) | None |
| Aluminum 7429-90-5 | 5-10 | 10 mg/m ³ TWA metal dust 5 mg/m ³ TWA as Al | 15 mg/m ³ TWA (total), 5 mg/m ³ (respirable) | None |
| Silica, quartz 14808-60-7 | 0.1-1 | 0.05 mg/m ³ TWA respirable fraction | 0.1mg/m ³ TWA (respirable) | None |

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS:

Physical state: Paste
Color: Silver
Odor: Hydrocarbon-like

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

WARNING: 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.

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4. FIRST AID MEASURES

| | |
|---------------|---|
| Inhalation: | Remove to fresh air. If discomfort persists seek medical attention. |
| Skin contact: | Wash with soap and water. If symptoms persist, obtain medical attention. |
| Eye contact: | Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention. |
| Ingestion: | Do not induce vomiting. Get medical attention immediately. |

5. FIRE-FIGHTING MEASURES

| | |
|-------------------------------------|---|
| Flash point: | >93°C (>200°F) |
| Flashback: | Not applicable |
| Flame Projection: | Not applicable |
| Autoignition temperature: | Not determined |
| Flammable/Explosive limits-lower %: | Not available |
| Flammable/Explosive limits-upper %: | Not available |
| Extinguishing media: | Carbon dioxide (CO2). Foam. Dry chemical. |
| Special fire fighting procedures: | None |
| Unusual fire or explosion hazards: | None |
| Hazardous combustion products: | Oxides of carbon. Oxides of nitrogen. |

6. ACCIDENTAL RELEASE MEASURES

| | |
|----------------------------|--|
| Environmental precautions: | Prevent further leakage or spillage. |
| Clean-up methods: | Remove all ignition sources. Soak up with inert absorbent. Store in a closed container until ready for disposal. |

7. HANDLING AND STORAGE

| | |
|------------------------|---|
| Handling: | Keep away from heat, spark and flame. Avoid contact with skin and eyes. |
| Storage: | Keep in a cool, well ventilated area. |
| Incompatible products: | No special restrictions on storage with other products. |

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| | |
|-------------------------|---|
| Engineering controls: | Use local ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits. |
| Respiratory protection: | Use NIOSH approved respirator if there is potential to exceed exposure limit(s). |
| Skin protection: | Neoprene or oil resistant gloves |
| Eye/face protection: | Safety goggles or safety glasses with side shields. |

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Paste
Color: Silver
Odor: Hydrocarbon-like
Vapor pressure: <5 mmHg @20°C (68° F)
pH: Not applicable
Boiling point/range: Not available
Melting point/range: Not available
Specific gravity: 1.25
Vapor density: Not available
Evaporation rate: Not available
Solubility in water: Insoluble
Partition coefficient (n-octanol/water): Not determined
VOC content: 12.96%; 162 grams/liter

10. STABILITY AND REACTIVITY

Stability: Stable.
Hazardous polymerization: Will not occur.
Hazardous decomposition products: None reasonably foreseeable
Incompatibility: Strong oxidizing agents.
Conditions to avoid: None known.

11. TOXICOLOGICAL INFORMATIONCarcinogen Status

| Hazardous components | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen |
|------------------------------|------------------|-----------------|-----------------|
| Petroleum Distillates | No | No | No |
| Graphite 7782-42-5 | No | No | No |
| Calcium oxide 1305-78-8 | No | No | No |
| Aluminum 7429-90-5 | No | No | No |
| Silica, quartz 14808-60-7 | Known Carcinogen | Group 1 | Yes |

Literature Referenced Target Organ & Other Health Effects

| Hazardous components | Health Effects/Target Organs |
|------------------------------|---|
| Petroleum Distillates | Irritant |
| Graphite 7782-42-5 | Lung |
| Calcium oxide 1305-78-8 | Irritant, Eyes, Corrosive |
| Aluminum 7429-90-5 | Central nervous system, Irritant, Lung |
| Silica, quartz 14808-60-7 | Some evidence of carcinogenicity, Lung, Immune system |

12. ECOLOGICAL INFORMATION

Ecological information: Not available

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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: Unrestricted
Hazard class or division: None
Identification number: None
Packing group: None

International Air Transportation (ICAO/IATA):

Proper shipping name: Unrestricted
Hazard class or division: None
Identification number: None
Packing group: None

Water Transportation (IMO/IMDG):

Proper shipping name: Unrestricted
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: Aluminum (CAS# 7429-90-5) (dust and fumes only).

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.A, D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: Revised to new format.

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

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