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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Silver Grade Anti-Seize Lubricant
Product Use: Lubricant
Company address:
 Henkel Canada Corporation
 2225 Meadowpine Boulevard
 Mississauga, Ontario L5N 7P2

Item No. : 76764 / IDH No. 235005
Region: Canada
Contact Information:
 Telephone: (905) 814-6511
 Emergency telephone: (905) 814-6511
 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
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
Distillates (petroleum), hydrotreated light naphthenic 64742-53-6	10-30	5 mg/m ³ TWA (mist) 10mg/m ³ STEL (mist)	5 mg/m ³ TWA (mist)	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
Distillates (petroleum), straight-run middle 64741-44-2	1-5	5 mg/m ³ TWA (mist) 10mg/m ³ STEL (mist)	5 mg/m ³ mist	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

Physical state: Paste
Color: Silver
Odor: Hydrocarbon-like
WHMIS hazard class: D.2.A, D.2.B

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.

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)
Autoignition temperature:	Not determined
Flammable/Explosive limits-lower %:	Not available
Flammable/Explosive limits-upper %:	Not available
Extinguishing media:	Carbon dioxide (CO ₂). Foam. Dry chemical.
Special fire fighting procedures:	None
Unusual fire or explosion hazards:	None
Hazardous combustion products:	Oxides of carbon. Oxides of nitrogen.
Sensitivity to mechanical impact:	Not available.
Sensitivity to static discharge:	Not available.

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 Canada Customer Service at (905) 814-6511.

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.

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Paste
Color:	Silver
Odor:	Hydrocarbon-like
Odor Threshold:	Not available
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 INFORMATION

Product toxicity data:	Not available
Toxicologically synergistic products:	Not available.

Refer to the following for Irritancy of Product, Sensitization to Product, Carcinogenicity, Reproductive Toxicity, Teratogenicity, and Mutagenicity.

Ingredient Toxicity Data & Carcinogen Status

Hazardous components	LD50s & LC50s	Other LD50s and LC50s	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen	ACGIH - Carcinogens
Distillates (petroleum), hydrotreated heavy naphthenic 64742-52-5	Inhalation LC50 (Rat) = 2.18 mg/L Dermal LD50 (Rabbit) > 2000 mg/kg Oral LD50 (Rat) > 5000 mg/kg	None	No	No	No	No
Graphite 7782-42-5	None	None	No	No	No	No
Calcium oxide 1305-78-8	Oral LD50 (Rat) = 500 mg/kg	None	No	No	No	No
Distillates (petroleum), hydrotreated light naphthenic 64742-53-6	Inhalation LC50 (Rat) = 2.18 mg/L Dermal LD50 (Rabbit) > 2000 mg/kg Oral LD50 (Rat) > 5000 mg/kg	None	No	No	No	No
Aluminum 7429-90-5	None	None	No	No	No	No
Distillates (petroleum), straight-run middle 64741-44-2	Inhalation LC50 (Rat) = 1.72 mg/L Oral LD50 (Rat) = 5000 mg/kg Dermal LD50 (Rabbit) > 2000 mg/kg	None	No	No	No	No
Silica, quartz 14808-60-7	Oral LD50 (Rat) = 500 mg/kg	None	Known Carcinogen	Group 1	Yes	A2 - Suspected Human Carcinogen

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Distillates (petroleum), hydrotreated heavy naphthenic 64742-52-5	Irritant
Graphite 7782-42-5	Lung
Calcium oxide 1305-78-8	Irritant, Eyes, Corrosive
Distillates (petroleum), hydrotreated light naphthenic 64742-53-6	Irritant
Aluminum 7429-90-5	Central nervous system, Irritant, Lung
Distillates (petroleum), straight-run middle 64741-44-2	Irritant
Silica, quartz 14808-60-7	Some evidence of carcinogenicity, Lung, Immune system

12. ECOLOGICAL INFORMATION

Ecological information: Not available

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of in accordance with federal, provincial and local regulations.

14. TRANSPORT INFORMATION

Canada Transportation of Dangerous Goods - Ground:

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/MDG):

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

15. REGULATORY INFORMATION

Canada Regulatory Information

CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the Domestic Substances List.

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.

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: New information added in Section(s) : 2

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Product Regulations.

Prepared by: Regulatory Affairs

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