



MATERIAL SAFETY DATA SHEET

CHROMATE INDUSTRIAL CORPORATION®

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**FOR CHEMICAL
EMERGENCY**

Call ChemTrec day/night:
1-800-424-9300

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SILVER ANTI-SEIZE LUBRICANT

DATE PREPARED: March 10, 2009

PART NUMBER: 74566

CHROMATE INDUSTRIAL CORPORATION

PRODUCT TYPE: LUBRICANT

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SECTION 2 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS: HEALTH: 1

FLAMMABILITY: 1

PHYSICAL HAZARD: 0

Personal Protection: See Section 8

Physical State: Solid

Color: Silver

Odor: Mild

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.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See Section 11 for additional toxicological information.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	CAS NUMBER	%
DISTILLATES (PETROLEUM), <i>hydrotreated heavy naphthenic</i>	64742-52-5	10 - 30
MINERAL OIL <i>light naphthenic hydrotreated <3% DMSO</i>	64742-53-6	10 - 30
GRAPHITE	7782-42-5	10 - 30
CALCIUM OXIDE	1305-78-8	10 - 30
ALUMINUM NOT POWDER, DUST OR FUME	7429-90-5	5 - 10

SECTION 4 – FIRST AID MEASURES

Inhalation: Move to fresh air. If symptoms persist, seek medical advice.

Skin Contact: Wash with soap and water. If symptoms develop and persist, get medical attention.

Eye Contact: Get medical attention. Immediately flush eyes with plenty of water for at least 15 minutes.

Ingestion: *DO NOT INDUCE VOMITING.* Aspiration may cause pulmonary edema and pneumonitis. Get medical attention.

N/A — NOT APPLICABLE
N/L — NOT LISTED

N/D — NOT DETERMINED

N/E — NONE ESTABLISHED

N/R — NOT REGULATED

SECTION 5 – FIRE-FIGHTING MEASURE

Flash Point: Product is a solid. **Burn Rate:** Approximately 12 mm/2 minutes.
Auto-ignition Temperature: N/D
FLAMMABLE/EXPLOSIVE LIMITS: Lower% (LEL): N/D Upper % (UEL): N/D
Extinguishing Media: Carbon dioxide. Dry chemical. Foam.
Special Fire-Fighting Procedures: None
Unusual Fire or Explosion Hazards: None
Hazardous Combustion Products: Oxides of carbon.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.
Environmental Precautions: No special environmental precautions required.
Clean-Up Methods: Scrape up as much material as possible. Clean residue with soap and water. Follow all local, state, federal and provincial regulations for disposal.

SECTION 7 – HANDLING AND STORAGE

Handling: Wash thoroughly after handling. Avoid contact with eyes, skin and clothing. Keep container closed.
Storage: Keep in a cool, well ventilated area.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

HAZARDOUS COMPONENTS	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
DISTILLATES (PETROLEUM), <i>hydrotreated heavy naphthenic</i>	5 mg/m ³ TWA mist 10 mg/m ³ STEL mist	5 mg/m ³ TWA mist	None	None
MINERAL OIL <i>light naphthenic hydrotreated</i>	5 mg/m ³ TWA mist 10 mg/m ³ STEL mist	500 ppm (2,000 mg/m ³)TWA	None	None
<3% DMSO				
GRAPHITE	2 mg/m ³ TWA Respirable fraction	5 mg/m ³ TWA Respirable fraction 15 mg/m ³ TWA Total dust 15 MPPCF TWA	None	None
CALCIUM OXIDE	2 mg/m ³ TWA	5 mg/m ³ TWA	None	None
ALUMINUM <i>not powder, dust or fume</i>	1 mg/m ³ TWA Respirable fraction	15 mg/m ³ TWA (as Al) Total dust 5 mg/m ³ TWA (as Al) Respirable dust	None	None

Engineering Controls: Use only with adequate ventilation. Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.
Respiratory Protection: Observe OSHA regulations for respiratory use (29 CFR 1910.134). Use NIOSH approved respirator if there is potential to exceed exposure limit(s).
Eye/face Protection: Safety glasses with side-shields. Goggles.
Skin Protection: Cover as much of the exposed skin area as possible with appropriate clothing.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid	Color: Silver
Odor: Mild	Odor Threshold: N/A
pH: N/A	Vapor Pressure: N/D
Boiling Point/Range: N/A	Melting Point/Range: N/A
Specific Gravity: 1.10	Vapor Density: N/D
Flash Point: Product is a solid	Burn Rate: Approx. 12 mm/2 min.
FLAMMABLE/EXPLOSIVE LIMITS: Lower% (LEL): N/D	Upper % (UEL): N/D
Auto-ignition Temperature: N/D	Evaporation Rate: N/D
Solubility in Water: Insoluble	Partition Co-Efficient (n-Octanol/Water): N/D
VOC Content: 12.69 %; 147 g/l	

SECTION 10 – STABILITY AND REACTIVITY DATA

STABILITY: Stable at normal conditions.
HAZARDOUS POLYMERIZATION: Will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon.
INCOMPATIBILITY: Oxidizing agents.
CONDITIONS TO AVOID: None known.

SECTION 11 – TOXICOLOGICAL INFORMATION

HAZARDOUS COMPONENTS	CAS#	CARCINOGEN STATUS		
		NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
DISTILLATES (PETROLEUM), <i>hydrotreated heavy naphthenic</i>	64742-52-5	NO	NO	NO
MINERAL OIL <i>light naphthenic hydrotreated</i>	64742-53-6	NO	NO	NO
<3% DMSO				
GRAPHITE	7782-42-5	NO	NO	NO
CALCIUM OXIDE	1305-78-8	NO	NO	NO
ALUMINUM <i>not powder, dust or fume</i>	7429-90-5	NO	NO	NO

LITERATURE REFERENCED TARGET ORGAN & OTHER HEALTH EFFECTS

HAZARDOUS COMPONENTS	CAS #	HEALTH EFFECTS/TARGET ORGANS
DISTILLATES (PETROLEUM), <i>hydrotreated heavy naphthenic</i>	64742-52-5	Irritant
MINERAL OIL <i>light naphthenic hydrotreated</i>	64742-53-6	Irritant
<3% DMSO		
GRAPHITE	7782-42-5	Lung
CALCIUM OXIDE	1305-78-8	Irritant, Corrosive, Eyes
ALUMINUM NOT POWDER, DUST OR FUME	7429-90-5	Central nervous system, Irritant, Lung

SECTION 12 – ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: N/A

SECTION 13 – DISPOSAL CONSIDERATIONS

Information provided is for unused product only.
RECOMMENDED METHOD OF DISPOSAL: Follow all local, state, federal and provincial regulations for disposal.
EPA HAZARDOUS WASTE NUMBER: Not a RCRA hazardous waste.

N/A — NOT APPLICABLE
 N/L — NOT LISTED

N/D — NOT DETERMINED

N/E — NONE ESTABLISHED

N/R — NOT REGULATED

SECTION 14 – TRANSPORT INFORMATION**U.S. DEPARTMENT OF TRANSPORTATION GROUND (49 CFR):****Proper Shipping Name:** Unrestricted**Identification Number:** None**Hazard Class or Division:** None**Packing Group:** None**INTERNATIONAL AIR TRANSPORTATION (ICAO/IATA):****Proper Shipping Name:** Unrestricted**Identification Number:** None**Hazard Class or Division:** None**Packing Group:** None**WATER TRANSPORTATION (IMO/IMDG):****Proper Shipping Name:** Unrestricted**Identification Number:** None**Hazard Class or Division:** None**Packing Group:** None**SECTION 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 above reporting de minimus.**CERCLA/SARA Section 302 EHS:** None above reporting de minimus.**CERCLA/SARA Section 311/312:** Immediate Health**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). Aluminum not powder, dust or fume (CAS# 7429-90-5).**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.B**SECTION 16 – OTHER INFORMATION****DISCLAIMER:** The data contained herein are furnished for information only and are believed to be reliable. However, Chromate Industrial Corporation (CIC) does not assume responsibility for any results obtained by persons over whose methods CIC has no control. It is the user's responsibility to determine the suitability of CIC's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any of CIC's products. In light of the foregoing, CIC specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of CIC's products. CIC further disclaims any liability for consequential or incidental damages of any kind, including lost profits.