



# SAFETY DATA SHEET

Issue Date 4/15/2015

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Version 1

## 1. IDENTIFICATION

**Product identifier**

**Product Name:** Silver 70

**Other means of identification**

**Product code:** F-103 (All Grades)

**Synonyms:** None

**Recommended use of the chemical and restrictions on use**

**Recommended Use:** Lubricant.

**Uses advised against:** No information available

**Details of the supplier of the safety data sheet**

**Supplier Address**

FRONTIER PERFORMANCE LUBRICANTS INC  
PO BOX 1777  
LODI, CA 95241  
Phone: (800)-807-4496  
Fax: (209)-334-6408

**Emergency telephone number**

**Emergency Telephone:** PERS (800)-633-8253

## 2. HAZARDS IDENTIFICATION

**Classification of the Mixture**

Semi-solid. Slight Petroleum Odor

**Most Important Hazards**

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

**Hazard Classification**

Acute Oral Toxicity Category 4  
Skin Irritation Category 2  
Eye Irritation Category 2A  
Skin Sensitization Category 1B

**Signal Word**

Warning!

**Pictograms**



**Hazard Statements**

Cause serious eye irritation.  
Causes skin sensitization with susceptible individuals.  
Causes eye, skin and respiratory tract irritation.  
Harmful if swallowed.

**Precautionary Statements Prevention**

Avoid breathing dust/fume/gas/mist/vapors/spray.  
Use only with adequate ventilation. Do not eat, drink or smoke when using this product  
Wash thoroughly after handling.

**Response**

Contaminated work clothing must not be allowed out of the workplace. Wash contaminated clothing before reuse.  
If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice/attention  
If on skin: wash with plenty of water.

<b>Storage</b>	If swallowed, call a poison center/doctor if you feel unwell
<b>Disposal</b>	Keep container tightly closed. Store in a well-ventilated place.
<b>Quantity of Ingredients with Unknown Acute Toxicity</b>	Dispose of contents/containers in accordance with local and national regulations.
	0%

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	WT %	CAS #
Zinc alkyldithiophosphate	< 1	proprietary
Distillates (petroleum), hydrotreated heavy paraffinic	<50	64742-54-7

To the knowledge of the supplier, there are no other ingredients in this product that are classified as hazardous.

### 4. FIRST AID MEASURES

<b>Eyes</b>	Flush eyes with running water for at least 15 minutes. If redness, burning, blurred vision or irritation persists, transport to nearest medical facility for additional treatment.
<b>Skin</b>	Flush skin with water, wash with soap and water. If irritation occurs, get medical attention. Remove contaminated clothing. Do not reuse clothing until cleaned. If material is injected under the skin, transport to the nearest medical facility for additional treatment. If redness, swelling, pain and/or blisters occur, transport to the nearest medical facility for additional treatment.
<b>Ingestion</b>	Do NOT induce vomiting and obtain medical attention. Have victim rinse mouth out with water. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If the victim has difficulty breathing or tightness of the chest, is dizzy, vomiting or unresponsive, give oxygen with rescue breathing or CPR as required and transport to the nearest medical facility.

### 5. FIRE-FIGHTING MEASURES

#### Flammable Properties

Base Oil Flash point: >220°C (ASTM D92) Flammable limits in air: N/A Auto ignition temperature: N/A

<b>Extinguishing media</b>	CO <sub>2</sub> , dry chemical, foam
<b>Special firefighting measure</b>	Procedures for an oil fire should be utilized. Use self-contained breathing apparatus. Use foam or dry chemical to extinguish fire. Water may be used <u>only</u> to keep surrounding containers cool. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Eliminate ignition sources and ventilate area.</b>	<b>Advise EPA/state agency if required.</b>
<b>Absorb spillage with inert absorbent material.</b>	<b>Use proper personal protective equipment for clean-up.</b>
<b>Contain spill and keep from entering waterways or sewers.</b>	<b>Treat contaminated absorbent same as spilled product.</b>

### 7. HANDLING AND STORAGE

<b>Handling and Storage Precautions</b>	Avoid heat, open flames, including pilot lights, and strong oxidizing agents. Use explosion-proof ventilation to prevent vapor accumulation. Ground all handling equipment to prevent sparking. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Have appropriate fire extinguishers and spill clean-up equipment in or near storage area.
<b>Work/Hygienic Practices</b>	Wash with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet. Launder contaminated clothing before reuse. Properly dispose of contaminated leather articles such as shoes or belts that cannot be decontaminated. Contaminated leather articles including shoes cannot be decontaminated and should be destroyed to prevent reuse.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Engineering Controls</b>	Use adequate ventilation to keep vapors and mists of this material below applicable standards. Recommended work place control parameters - based on mineral oil ACGIH TWA 5 mg/m <sup>3</sup> .
<b>Respiratory Protection</b>	If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of the OSHA Respiratory Protection

<b>Skin Protection</b>	Standard, 29 CFR 1910.134. Use protective clothing that is chemically resistant to this product. Acceptable materials for gloves and aprons are: neoprene, nitrile rubber or viton.
<b>Eye Protection</b>	Use safety glasses or goggles. Have suitable eye wash water available.
<b>Other/General Protection</b>	For mists and vapors: Air purifying, organic vapor cartridge, NIOSH approved respirator. Use self-contained breathing apparatus for environments with unknown concentrations or emergency situations.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Color:</b>	silver	<b>Vapor Pressure:</b>	N/A	<b>Solubility in Water:</b>	Insoluble
<b>Appearance:</b>	Semi-solid	<b>% Volatile by Volume:</b>	N/A	<b>Evaporation Rate</b>	N/A
<b>Odor:</b>	Characteristic	<b>Vapor Density (air = 1):</b>	N/A	<b>(Butyl Acetate = 1):</b>	<1
<b>Boiling Point:</b>	N/A	<b>Reactivity in Water:</b>	Non-reactive	<b>Specific Gravity:</b>	1.01-1.10

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable
<b>Conditions to avoid</b>	Sources of ignition.
<b>Incompatibility</b>	Strong oxidizing or reducing agents.
<b>Decomposition Products</b>	Oxides of Carbon and Hydrogen.
<b>Hazardous Polymerization</b>	Will not occur.

## 11. TOXICOLOGICAL INFORMATION

<b>Likely Routes of Exposure</b>	Inhalation, skin, eyes and ingestion.
<b>Potential Health Effects</b>	
<b>Eye Effects</b>	Corrosive. This mixture can cause irritation, redness, burns and tissue destruction.
<b>Skin Effects</b>	Irritant. This mixture may cause inflammation, significant irritation and sensitization in susceptible individuals.
<b>Oral Effects</b>	Harmful if swallowed. Gastrointestinal tract irritation, nausea and vomiting if mixture is swallowed.
<b>Inhalation Effects</b>	Harmful if inhaled. May cause respiratory tract irritation.
<b>Chronic Health Effects</b>	No data available to indicate product or components present at greater than 1% are chronic health hazards.
<b>Mutagenicity</b>	Negative
<b>Carcinogenicity</b>	This mixture contains mineral oils which are considered to be severely refined and not considered to be carcinogenic under IARC. All the oils in this mixture have been demonstrated to contain less than 3% extractables by the IP 346 test.
<b>Reproductive Effects</b>	Negative.
<b>Teratogenicity</b>	Negative.
<b>Sensitization</b>	Potential Skin Sensitizer Category 1B.
<b>Toxicological Data</b>	ATE oral is > 2,000 mg/kg ATE dermal is > 4,000 mg/kg ATE inhalation (mist/aerosol) is estimated at 2.17 mg/L/4 hour

## 12. ECOLOGICAL INFORMATION

Not classified due to inadequate data available on this mixture. Highly recommend avoidance of release to the environment.

## 13. DISPOSAL CONSIDERATIONS

Avoid release to the environment. Dispose in a safe manner in accordance with national, state and local regulations. Not a RCRA hazardous waste if uncontaminated. If "used" RCRA criteria must be determined. Dispose of container by recycling or if permitted incineration.

## 14. TRANSPORT INFORMATION

<b>Proper Shipping Name</b>	PETROLEUM LUBRICATING GREASE; NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER 49 CFR.
<b>Shipping Class</b>	55
<b>Dot Identification Number</b>	N/A
<b>Dot Shipping Label</b>	Not regulated by DOT.

TDG Classification Not controlled under TDG (Canada).

15. REGULATORY INFORMATION

U.S. Federal Regulatory Information

SARA 302 Threshold Planning Quantity N/A
SARA 304 Reportable Quantity N/A
SARA 311 Categories
Acute Health Effects None
Chronic Health Effects None
Fire Hazard No
Sudden Release of Pressure Hazard No
Reactivity Hazard No

EPA/TSCA Inventory The components of this product are listed on the EPA/TSCA inventory of chemicals.
EPA Hazard Classification Code Not applicable
CERCLA No chemicals in this product are subject to the reporting requirements of CERCLA.
SARA Title III - Section 313 Supplier Notification No Chemicals in this product exceed the DE Minimus reporting level established by SARA Title III, Section 313 and 40 CFR 372.
WHMIS Classification WHMIS controlled. Class D; Division 2, Subdivision B: otherwise causing toxic effects.
Other Regulations All components of this formulation are listed on the CEPA-DSL (Domestic Substance List)

16. OTHER INFORMATION

NFPA Hazard Rating:

Table with 3 rows: Health: 1 Slight, Flammability: 1 Slight, Reactivity: 0 Negligible

\*Threshold Limit Value/Personal Exposure Limit

N/A = Not Applicable

N/E = Not Established

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Revision Note Not applicable

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet