



13253 Stanbridge Avenue
Downey, California 90242
Phone: (562) 404-8889
Fax: (562) 404-7349
scott@roadlineproducts.com

MATERIAL SAFETY DATA SHEET

#RP-529

#RP-629

Trade Name: **Roadline** Piston Seal

Part Numbers: RP-629 (6oz)

RP-529 (32oz)

Synonyms: Lubricating Oil

CAS NO: Mixture

(Refer to Section 1)

Material Hazard Evaluation

{Per OSHA Hazard Communication Standard
[29 CFR Part 1910.1200]} (OHCS)

Health: Final Product Non-Hazardous

Precautionary Statement: Do not inhale mists or fumes.

HMIS Rating¹: Health 0 Flammability 1 Reactivity 0

1.0 GENERIC COMPOSITION / COMPONENTS

Components	CAS #	%	Hazard Data
Refined Petroleum Oil(s)	64741-88-4 64742-65-0 64741-89-5	> 99	Oral LD50(rat): > 5 g/kg
Anti-wear rust and oxidation inhibitor additives (contains Zinc Dialkyldithiophosphate)	Mixture	< 1	Mile eye irritant LD50(rat): 2.31 ml/kg
Mixed fatty esters of styrene-maleic anhydride	Mixture	< 1	Oral LD50(rat): 60.3 g/kg Dermal LD50(rab): 7.94 g/kg Moderate skin irritant Slight eye irritant
Anti-foam Agent	Mixture	< 0.1	Non-hazardous inhibitor in light mineral oil

2.0 PHYSICAL DATA

Physical Hazard Classification (Per 29 CFR Part 1910.1200)

No	Combustible	No	Flammable	No	Pyrophoric
No	Compressed Gas	No	Organic Peroxide	No	Reactivity
No	Explosive	No	Oxidizer	No	Stable

Boiling Point, 760 mmHg, °C (°F): ~343 (~650)
 Specific Gravity (60 / 60°F) (H₂O = 1): 0.87
 Vapor Density (Air = 1): > 1
 % Volatiles by Volume: Negligible
 Melting Point, °C(°F): NA
 Vapor Pressure, mmHg (25 °C): < 8 x 10³
 Solubility in H₂O, % by Weight: Negligible
 Evaporation Rate (Butyl Acetate = 1): < 1
 pH of Undiluted Product: NA
 Appearance and Odor: Amber liquid, slight sulfurized odor

¹ Hazard Rating: least – 0: slight – 1: moderate – 2: high – 3: extreme – 4

Assignment based on our evaluation per NFPA and NPCA guidelines.

3.0 FIRE AND EXPLOSION DATA

Flash Point, COC, °C (°F):	215 (420)
Flash Point, PMC, °C (°F):	197 (386)
Fire Point, COC, °C (°F):	243 (470)
NFPA Rating ² :	Health: 0 Flammability: 1 Reactivity: 0
Flammable Limits (% by volume in air):	Lower: NA Upper: NA
Extinguishing Media:	CO ₂ , dry chemical, foam, water fog
Special Fire Fighting Procedure:	None
Unusual Fire or Explosion Hazard:	Water may cause frothing.

4.0 REACTIVITY DATA

Stability:	Stable
Conditions Contributing to Instability:	None
Incompatibility:	Strong oxidants
Hazardous Decomposition Products: (thermal, unless otherwise specified)	CO ₂ , (CO under incomplete combustion) Traces of oxides of S, P, Zn, Ca and Mg.
Conditions Contributing to Hazardous Polymerization:	None

5.0 SPILL OR LEAK PROCEDURES

Procedures if material is spilled:

- Remove sources of heat or ignition, provide adequate ventilation, contain leak.
- Small Spills: Absorb with suitable material such as rags, straw or sand. Place into containers for later removal.
- Large Spills: Contain spill in earthen dikes for later recovery.
- Report spills as required to appropriate authorities.

Waste disposal:

- It is the responsibility of the user to determine if the material is a hazardous waste at the time of disposal.
- Check before disposing to be sure you are in compliance with all applicable laws and regulations.

Protective measures during repair and maintenance of contaminated equipment:

- Refer to Section VII – Special Protection Information.
- Avoid prolonged contact with used oil.
- Wash exposed skin thoroughly with soap and water.
- Remove spoiled clothing.
- Use oil impervious gloves if direct contact is expected.

² Hazard Rating: least – 0: slight – 1: moderate – 2: high – 3: extreme – 4
Assignment based on our evaluation per NFPA and NPCA guidelines.

6.0 HEALTH HAZARD DATA

Health Hazard Classification – (Per 29CFR Part 1910.1200)

No	Carcinogen	No	Corrosive
No	Animal Carcinogen	No	Irritant
No	Suspect Carcinogen	No	Sensitizer
No	Mutagen	No	Teratogen
No	Highly Toxic	No	Target Organ
No	Toxic		

Product listed as Carcinogen or Potential Carcinogen by: NTP No IARC No OSHA No Other No

Toxicity Summary: General toxicity low.

Major Route(s) of Entry: Inhalation of incidental mists or vapors.

Acute Exposure Symptoms

Inhalation: Low risk of inhalation at ambient temperatures. Mists or fumes may cause drowsiness, dizziness, headache, nausea, or lung irritation or chemical pneumonitis.

Dermal Contact: Transient, slight irritant

Eye Contact: May be mildly irritating

Ingestion: Low toxicity. If less than 1 oz. is ingested, material may pass through the system without harm. On ingestion of large quantities, slight GI discomfort, diarrhea, and headache may occur.

Injection: Subcutaneous or intramuscular injection may cause irritation, erythema, edema.

Chronic Exposure Prolonged and/or frequent contact may cause drying, cracking (dermatitis) or folliculitis.

Other Special Effects None expected.

Medical Conditions Aggravated by Exposure None

First Aid and Emergency Procedures for Acute Effect

Inhalation: Remove to fresh air. Respirator support, if necessary. Seek medical aid.

Dermal: Wash with soap and water. Do not wear heavily contaminated clothing before laundering.

Eyes: Flush with large volumes of water. Seek physician if any complications arise.

Ingestion: Do not induce vomiting. Seek medical aid.

Injection: Subcutaneous injection is a medical emergency. Seek medical aid immediately.

Notes to Physician: Following ingestion at a viscosity of about 165 SUS (100 °F), the risk of aspiration into the lungs is still a possibility. For quantities above a few drops, careful cuffed tube lavage is recommended. Aspirated material may cause chemical pneumonitis or lipid pneumonia. Subcutaneous or intramuscular injection requires prompt surgical debridement. If not familiar with technique, seek skilled advice.

7.0 SPECIAL PROTECTION INFORMATION

Ventilation Requirements: Use in a well ventilated area. In confined space, mechanical ventilation may be required to keep levels of certain components below mandated standards as evaluated by designated personnel.

Permitted Threshold Air Concentrations:

<i>Mineral Oil Mist</i>	TLV-TWA 5 mg/m ³	OSHA-PEL 5 mg/m ³
	TLV-STEL 10 mg/m ³	OSHA-STEL ND
	TLV-Ceiling ND	OSHA-Ceiling ND
		OSHA-Peak ND

Specific Personal Protective Equipment:

Respiratory: Normally none required. If a high vapor or mist concentrations expected, use respirator approved for organic vapors and mists.

Eyes: Safety goggles, or chemical splash goggles if splashing is anticipated.

Dermal: Oil impervious gloves if frequent or prolonged contact is expected.

Other Clothing or Equipment: Wear body-covering work clothes to avoid prolonged or repeated exposure. Launder soiled work clothes before reuse.

8.0 TRANSPORTATION AND SPECIAL PRECAUTIONS

Storage: Do not apply high heat or flame to container. Keep separate from strong oxidizing agents.

Caution: Empty containers may contain product residue which could include flammable or explosive vapors.

Consult appropriate Federal, State and Local authorities before reusing, reconditioning, reclaiming, recycling or disposing of empty containers and/or waste residues of this product.

DOT INFORMATION:

Proper Shipping Name: Petroleum Lubricating Oil
Hazard Class: Non-Hazardous
Hazard Identification Number: None Assigned
Placard: None
Compatibility Category: Group 33
CHRIS Code: OMN

9.0 ENVIRONMENTAL DATA

Product Name: Speeflo Coolflo™ Hydraulic Fluid

Part Numbers: 430-361 (1 – Gallon) 430-362 (1 – Quart)

SARA TITLE III

Section 313 – Toxic Chemicals

This product does contain toxic chemicals of Section 313 of Title III of Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372.

<u>Components</u>	<u>CAS #</u>	<u>%</u>
-	-	-

Section 311 – Hazard Categories

<u>Yes</u>	Not Applicable	<u>No</u>	Fire Hazard
<u>No</u>	Acute (Immediate Health Hazard)	<u>No</u>	Sudden Release of Pressure Hazard
<u>No</u>	Chronic (Delayed Health Hazard)	<u>No</u>	Reactive Hazard

Section 302 – Extremely Hazardous Substances

(RQ = Reportable Quantity)

(TPQ = Threshold Planning Quantity)

This product does not contain Extremely Hazardous Substances of Section 302/(A).

<u>Component</u>	<u>CAS #</u>	<u>%</u>	<u>RQ lbs.</u>	<u>TPQ lbs.</u>
None	-	-	-	-

Clean Water Act

Under Section 311 (b) (4) of the Clean Water Act, discharges of crude oil and petroleum products in any kind of form to surface waters must be immediately reported to the National Response Center: (800) 424-8802.

Comprehensive Environmental, Response, Compensation & Liability Act (CERCLA) – Section 102 Hazardous Substances

<u>Component</u>	<u>CAS #</u>	<u>%</u>	<u>RQ lbs.</u>
Petroleum and petroleum fractions are excluded from the list of CERCLA hazardous substances by Section 101(14) of CERCLA.			

New Jersey Worker and Community Right-to-Know Act

Petroleum Oil

10.0 LABELING

NOTE:

This product has been determined not to be a physical or health hazard as defined by the OSHA Hazard Communication standard.

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