

# SAFETY DATA SHEET – RED LINE 80W140 HIGH PERFORMANCE GEAR OIL

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## 1. IDENTIFICATION

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### 1.1. PRODUCT IDENTIFIER USED ON LABEL:

1.1.1. RED LINE 80W140 HIGH PERFORMANCE GEAR OIL

### 1.2. OTHER MEANS OF IDENTIFICATION:

1.2.1. 75W85 GEAR OIL

1.2.2. Part #: 58104, 58104J, 58104S, 58105, 58106, 58107, 58108

### 1.3. RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE;

1.3.1. GEAR OIL

1.3.2. NO OTHER USES RECOMMENDED

### 1.4. NAME, ADDRESS, AND TELEPHONE NUMBER OF THE CHEMICAL MANUFACTURE R, IMPORTER, OR OTHER RESPONSIBLE PARTY:

1.4.1.

#### **RED LINE SYNTHETIC OIL CORP**

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6100 EGRET COURT  
BENICIA, CA 94510  
United States of America

#### **Product Information**

Technical Information: +17077456100

### 1.5. EMERGENCY PHONE NUMBER:

1.5.1.

#### **Emergency Response**

North America: CHEMTREC (800) 424-9300 after 5:00pm CST Or +17035273887

## 2. HAZARD(S) IDENTIFICATION

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## 2.1. CLASSIFICATION OF THE CHEMICAL IN ACCORDANCE WITH PARAGRAPH (d) of §1910.1200:

- 2.1.1. Eye Damage Category 1
- 2.1.2. Skin Sensitizer Category 1
- 2.1.3. Aquatic Environment Category 3

## 2.2. Signal Word:

- 2.2.1. DANGER

## 2.3. Symbol:



## 2.4. Hazard Statements:

- 2.4.1. Causes serious eye damage.
- 2.4.2. May cause an allergic skin reaction.
- 2.4.3. Harmful to aquatic life with long lasting effects.

## 2.5. Precautionary Statements:

### 2.5.1. Prevention:

- 2.5.1.1. Avoid breathing mist or spray.
- 2.5.1.2. Wear protective gloves.
- 2.5.1.3. Wash thoroughly after handling.
- 2.5.1.4. Wear eye protection/face protection.
- 2.5.1.5. Contaminated work clothing should not be allowed out of the workplace.
- 2.5.1.6. Avoid release to the environment.

### 2.5.2. Response:

- 2.5.2.1. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately get medical advice/attention.
- 2.5.2.2. If on skin: wash with plenty of water, if irritation or rash occurs, get medical advice/attention. Take off contaminated clothing and wash it before reuse.
- 2.5.2.3. If skin irritation occurs: Get medical advice/attention.
- 2.5.2.4. Take off contaminated clothing and wash before reuse.
- 2.5.2.5. If swallowed: immediately call a poison center or doctor.
- 2.5.2.6. Do NOT induce vomiting.
- 2.5.2.7. Call a poison center/doctor if you feel unwell.

### 2.5.3. Disposal:

- 2.5.3.1. Dispose of contents/container in accordance with local/regional/national/international regulations.

## 3. Composition/ information on ingredients

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### 3.1. The chemical name and concentration (exact percentage) or concentration ranges of all ingredients which are classified as health hazards in accordance with paragraph (d) of §1910.1200

- 3.1.1.

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COMPONENTS	CAS Number	EU Number	Concentration (%)
1-Dodecene homopolymer, hydrogenated	68037-01-4	500-183-1	35-45
Polysulfides, di-tert-BU	68937-96-2	273-103-3	<10
Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched)	N/A	931-384-6	<10
Phosphoric acid, diisooctyl ester, compound with 2-ethyl-1-hexamine (1:1)	92623-72-8	296-404-1	<10

## 4. FIRST AID MEASURES

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4.1.

<b>Skin:</b>	Wash with plenty of water, if irritation or rash occurs, get medical advice/attention. Take off contaminated clothing and wash it before reuse.
<b>Eye:</b>	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.
<b>Inhalation:</b>	Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell
<b>Ingestion:</b>	If ingested, do not induce vomiting. Call a physician.

## 5. FIRE FIGHTING MEASURES

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5.1. **Flash Point:** 280°F (138°C)

5.2. **Protective Equipment/Fire Fighting Instructions:**

5.2.1. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

5.3. **Extinguishing Media:**

5.3.1. Use water fog, foam, dry chemical or carbon dioxide (CO<sub>2</sub>) to extinguish flames.

5.4. **Special Firefighting Procedures:**

5.4.1. Cool exposed containers with water spray.

5.5. **Unusual Fire and Explosion Hazards:**

5.5.1. Pressure increase in over heated closed containers. Cool containers with water spray.

## 6. ACCIDENTAL RELEASE MEASURES

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6.1. **Spill Procedures:**

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6.1.1. Remove ignition sources. Recover Liquid. Add absorbent to spill area. Ventilate confined spaces. Advise authorities if product enters sewers, etc.

## 6.2. Waste Disposal:

6.2.1. Assure conformity with applicable disposal regulations. Dispose of absorbed material at approved waste site

## 6.3. Precautionary Measures:

6.3.1. Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Wash thoroughly after handling.

6.3.2. Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

## 7. HANDLING AND STORAGE

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### 7.1. Handling:

7.1.1. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum re-conditioner or disposed of properly.

### 7.2. Storage:

7.2.1. Keep container closed when not in use. Do not store with strong oxidizing agents. Do not store at elevated temperatures.

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

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### 8.1. Component Exposure Limits:

#### 8.1.1. GEAR OIL 5mg/m<sup>3</sup> (oil mist) ACGIH TLV OSHA PEL

COMPONENTS	ACGIH TLV	OSHA PEL
1-Dodecene homopolymer, hydrogenated	5mg/m <sup>3</sup> (oil mist) TWA	5mg/m <sup>3</sup> (oil mist) TWA
Polysulfides, di-tert-BU		
Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched)		
Phosphoric acid, diisooctyl ester, compound with 2-ethyl-1-hexamine (1:1)		

### 8.2. Engineering Controls:

8.2.1. Ventilate as needed to comply with exposure limit

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## 8.3. Eye Protection:

8.3.1. Use goggles/face shield to avoid eye contact

## 8.4. Glove Protection:

8.4.1. Use impervious gloves to avoid repeated/prolonged skin contact.

## 8.5. Work/Hygienic Practices:

8.5.1. If clothing becomes contaminated, change to fresh clean clothing. Do not wear until thoroughly laundered.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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9.1. <b>Appearance/Odor:</b>	Amber liquid with mild hydrocarbon odor.	9.2. <b>Odor Threshold:</b>	No data available
9.3. <b>pH:</b>	No data available	9.4. <b>Boiling Point:</b>	Wide range
9.5. <b>Melting Point:</b>	No data available	9.6. <b>Solubility (H<sub>2</sub>O):</b>	Negligible
9.7. <b>Specific Gravity:</b>	0.9001 @ 15.6°C	9.8. <b>Density:</b>	7.495 lbs/gal
9.9. <b>Octanol/H<sub>2</sub>O Coeff.:</b>	No data available	9.10. <b>Evaporation Rate (BUAC=1):</b>	<1
9.11. <b>Molecular Weight:</b>	No data available	9.12. <b>Decomposition Temp:</b>	No data available
9.13. <b>Auto Ignition:</b>	No data available	9.14. <b>Lower Flammability Limit:</b>	No data available
9.15. <b>Flash Point:</b>	280°F (138°C)	9.16. <b>Upper Flammability Limit:</b>	No data available
9.17. <b>Vapor Density (Air=1):</b>	>1	9.18. <b>Vapor Pressure:</b>	<1mmHg @ 20°C
9.19. <b>VOC:</b>	Nil	9.20. <b>Flammability Class:</b>	Not classified
9.21. <b>Viscosity @ 40°C</b>	212.84cSt (212.84 mm <sup>2</sup> /s)	9.22. <b>Viscosity @ 100°C</b>	25.93cSt (25.93 mm <sup>2</sup> /s)

## 10. STABILITY AND REACTIVITY

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### 10.1. Reactivity:

10.1.1. Material does not pose a significant reactivity hazard.

### 10.2. Chemical Stability:

10.2.1. Stable

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## 10.3. Incompatibility/Conditions to avoid:

10.3.1. Avoid strong oxidants

## 10.4. Possibility of Hazardous Reactions:

10.4.1. Will not undergo hazardous polymerization.

## 10.5. Hazardous Decomposition Products:

10.5.1. Partial burning produces fumes, smoke and carbon monoxide, aldehydes, and other products of incomplete combustion.

# 11. TOXICOLOGY INFORMATION

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## 11.1. Likely Routes of Exposure:

11.1.1. Ingestion, Inhalation, Eye contact, Skin contact.

## 11.2. Acute Effects:

11.2.1. Inhalation: Expected to be low inhalation hazard.

11.2.2. Eye Contact: Causes serious eye damage.

11.2.3. Skin Contact: May cause an allergic skin reaction.

11.2.4. Ingestion: Expected to be low ingestion hazard.

## 11.3. Component Data/ Analysis

COMPONENTS	Oral (LD50) (Rat)	Inhalation (LC50) (Rat)	Dermal (LD50) (Rabbit)
1-Dodecene homopolymer, hydrogenated	No data available	No data available	No data available
Polysulfides, di-tert-BU	No data available	No data available	No data available
Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched)	No data available	No data available	No data available
Phosphoric acid, diisooctyl ester, compound with 2-ethyl-1-hexamine (1:1)	No data available	No data available	No data available

## 11.4. Sensitization:

11.4.1. None known.

## 11.5. Carcinogenicity:

11.5.1. None greater than 0.1%.

## 11.6. Mutagenicity:

11.6.1. None known.

## 11.7. Reproductive Toxicity:

11.7.1. None known.

## 11.8. Teratogenicity:

11.8.1. None known.

# 12. ECOLOGICAL INFORMATION

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## 12.1. Ecotoxicity

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12.1.1. An environmental fate analysis is not available for this specific product. Plants and animals may experience harmful or fatal effects when coated with petroleum products. Petroleum-based (mineral) lubricating oils normally will float on water. In stagnant or slow-flowing waterways, an oil layer can cover a large surface area. As a result, this oil layer might limit or eliminate natural atmospheric oxygen transport into the water. With time, if not removed, oxygen depletion in the waterway may be sufficient to cause a fish kill or create an anaerobic environment.

## 12.2. Environmental Fate

12.2.1. Analysis for ecological effects has not been conducted on this product. However, if spilled, this product and any contaminated soil or water may be harmful to human, animal, and aquatic life. Also, the coating action associated with petroleum and petroleum products can be harmful or fatal to aquatic life and waterfowl.

## 13. DISPOSAL CONSIDERATIONS

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### 13.1. Waste Disposal:

13.1.1. Assure conformity with applicable disposal regulations. Dispose of absorbed material at approved waste site.

## 14. TRANSPORTATION INFORMATION

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**The shipping description below may not represent requirements for all modes of transportation, shipping methods or locations outside of the United States.**

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### 14.1. ROAD AND RAIL

14.1.1. DOT: NOT REGULATED

### 14.2. VESSEL

14.2.1. IMDG: NOT REGULATED

### 14.3. AIR

14.3.1. IATA: NOT REGULATED

## 15. REGULATORY INFORMATION

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### 15.1. TSCA Inventory

15.1.1. This product and/or its components are listed on the Toxic Substances Control Act (TSCA) inventory.

### 15.2. SARA 302/304 Emergency Planning and Notification

15.2.1. <.1% Toluene

### 15.3. SARA 311/312 Hazard Identification

15.3.1. Acute (Immediate) Health Hazard

### 15.4. SARA 313 Toxic Chemical Notification and Release Reporting

15.4.1. : This product does not contain greater than 1.0% (greater than 0.1% for carcinogenic substance) of any chemical substances listed under SARA Section 313

### 15.5. CERCLA

15.5.1. None known.

### 15.6. Clean Water Act (CWA)

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15.6.1. This material is classified as an oil under Section 311 of the Clean Water Act (CWA) and the Oil Pollution Act of 1990 (OPA). Discharges or spills which produce a visible sheen on waters of the United States, their adjoining shorelines, or into conduits leading to surface waters must be reported to the EPA's National Response Center at (800) 424-8802.

**15.7. California Proposition 65:**

15.7.1. This product does not knowingly contain chemicals known to the state of California to cause cancer, birth defects, or any other reproductive harm.

**15.8. New Jersey Right-to-Know Label**

15.8.1. Petroleum Oil

## 16. OTHER INFORMATION

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16.1.

HAZARD RANKINGS			
HMIS		NFPA	
HEALTH HAZARD	2	HEALTH HAZARD	2
FIRE HAZARD	1	FIRE HAZARD	1
PHYSICAL HAZARD	0	INSTABILITY/REACTIVITY	0
Personal Protection	C		

16.2. **Date of preparation:** 10/13/2014

**16.3. MANUFACTURER DISCLAIMER:**

16.3.1. *The data presented herein is based upon tests and information, which we believe to be reliable. However, users should make their own investigations to determine the suitability of the information for their particular purpose.*