

# SAFETY DATA SHEET – RED LINE 85 PLUS WINTER DIESEL FUEL ENHANCER

---



## 1. IDENTIFICATION

---

### 1.1. PRODUCT IDENTIFIER USED ON LABEL:

1.1.1. RED LINE 85 PLUS WINTER DIESEL FUEL ENHANCER

### 1.2. OTHER MEANS OF IDENTIFICATION:

1.2.1. RED LINE 85 PLUS WINTER DIESEL FUEL ENHANCER

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

1.3.1. DIESEL FUEL CATALYST

1.3.2. NO OTHER USES RECOMMENDED

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

1.4.1.

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

---

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

---

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

# SAFETY DATA SHEET – RED LINE 85 PLUS WINTER DIESEL FUEL ENHANCER

---

- 2.1.1. Aspiration Toxic Category 1
- 2.1.2. Acute Oral Category 4
- 2.1.3. Acute Inhalation Category 4
- 2.1.4. Skin Corrosion/Irritation Category 2
- 2.1.5. Eye Irritant Category 2
- 2.1.6. Aquatic Environment Category 3
- 2.1.7. Flammable Liquid Category 4

## 2.2. Signal Word:

- 2.2.1. Danger

## 2.3. Symbol:



## 2.4. Hazard Statements:

- 2.4.1. May be fatal if swallowed and enters airways.
- 2.4.2. Harmful if swallowed.
- 2.4.3. Harmful if Inhaled.
- 2.4.4. Causes skin irritation.
- 2.4.5. Causes serious eye irritation
- 2.4.6. Harmful to aquatic life with long lasting effects.
- 2.4.7. Combustible liquid

## 2.5. Precautionary Statements:

### 2.5.1. Prevention:

- 2.5.1.1. Avoid breathing mist or spray.
- 2.5.1.2. Do not eat, drink or smoke when using this product.
- 2.5.1.3. Use only outdoors or in a well-ventilated area.
- 2.5.1.4. Wear protective gloves.
- 2.5.1.5. Wear eye protection.
- 2.5.1.6. Wash thoroughly after handling.
- 2.5.1.7. Avoid release to the environment.

### 2.5.2. Response:

- 2.5.2.1. If inhaled: Remove person to fresh air and keep comfortable for breathing.
- 2.5.2.2. 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.
- 2.5.2.3. 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.
- 2.5.2.4. If skin irritation occurs: Get medical advice/attention.
- 2.5.2.5. Take off contaminated clothing and wash before reuse.
- 2.5.2.6. If swallowed: immediately call a poison center or doctor.
- 2.5.2.7. Do NOT induce vomiting.
- 2.5.2.8. Call a poison center/doctor if you feel unwell.

# SAFETY DATA SHEET – RED LINE 85 PLUS WINTER DIESEL FUEL ENHANCER

---

## 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

---

### 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.

COMPONENTS	CAS Number	EU Number	Concentration (%)
Severely hydrotreated heavy naphthenic petroleum oil	64742-52-5	265-155-0	25 – 40
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	265-157-1	10-20
Oleic Acid	112-80-1	204-007-1	1-3
2-Ethylhexyl nitrate	27247-96-7	248-363-6	15-25
2-Ethylhexanol	104-76-7	203-234-3	2-5
Butanedioic acid, polyisobutenyl derivatives	68610-89-9	Not Available	1-3
Dipropylene glycol	25265-71-8	246-770-3	1-3

## 4. FIRST AID MEASURES

---

### 4.1.

<b>Skin:</b>	Wash skin with soap and water. Wash clothing before re-use.
<b>Eye:</b>	If splashed into eyes flush eyes with clear water for several minutes.
<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

---

5.1. **Flash Point:** 176°F (80°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:

# SAFETY DATA SHEET – RED LINE 85 PLUS WINTER DIESEL FUEL ENHANCER

---

5.3.1. Use water fog, alcohol resistant 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

---

### 6.1. Spill Procedures:

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

---

### 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.

#### 7.1.2. Pumping Temperature

7.1.2.1. Ambient

#### 7.1.3. Maximum Handling Temperature

7.1.3.1. 60°C, 140°F

#### 7.1.4. Maximum Loading Temperature

7.1.4.1. 60°C, 140°F

### 7.2. STORAGE

7.2.1. Store locked up.

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

7.2.3. Maximum storage Temperature:

# SAFETY DATA SHEET – RED LINE 85 PLUS WINTER DIESEL FUEL ENHANCER

---

7.2.3.1. 45°C, 113°F

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

---

### 8.1. Component Exposure Limits:

#### 8.1.1. 85 PLUS DIESEL FUEL CATALYST 5mg/m<sup>3</sup> (oil mist) ACGIH TLV OSHA PEL

COMPONENTS	ACGIH TLV	OSHA PEL
Severely hydrotreated heavy naphthenic petroleum oil	5mg/m <sup>3</sup> (oil mist) TWA	5mg/m <sup>3</sup> (oil mist) TWA
Distillates (petroleum), hydrotreated heavy paraffinic	5mg/m <sup>3</sup> (oil mist) TWA	5mg/m <sup>3</sup> (oil mist) TWA
Oleic Acid		
2-Ethylhexyl nitrate	10 mg/m <sup>3</sup> (STEL)	5mg/m <sup>3</sup> (oil mist) TWA
2-Ethylhexanol	7.16 mg/m <sup>3</sup> TWA	7.16mg/m <sup>3</sup> TWA
Butanedioic acid, polyisobutenyl derivatives		

### 8.2. Engineering Controls:

8.2.1. Ventilate as needed to comply with exposure limit

### 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

---

9.1. <b>Appearance/Odor:</b>	Dark Amber liquid with pungent 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

# SAFETY DATA SHEET – RED LINE 85 PLUS WINTER DIESEL FUEL ENHANCER

---

9.7. <b>Specific Gravity:</b>	0.9117 @ 15.6°C	9.8. <b>Density:</b>	7.592 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>	176°F (80°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>	380mg/L estimated	9.20. <b>Flammability Class:</b>	Combustible liquid
9.21. <b>Viscosity @ 40°C</b>	17cSt (17 mm <sup>2</sup> /s)	9.22. <b>Viscosity @ 100°C</b>	4.11cSt (4.11 mm <sup>2</sup> /s)

## 10. STABILITY AND REACTIVITY

---

### 10.1. Reactivity:

10.1.1. Material does not pose a significant reactivity hazard.

### 10.2. Chemical Stability:

10.2.1. Stable

### 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

## 11. TOXICOLOGY INFORMATION

---

### 11.1. Likely Routes of Exposure:

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

### 11.2. Acute Effects:

11.2.1. Inhalation: Harmful if inhaled. May cause respiratory irritation.

11.2.2. Eye Contact: Causes serious eye irritation.

11.2.3. Skin Contact: Causes Skin irritation.

11.2.4. Ingestion: Harmful if swallowed. May be fatal if swallowed and enters airways.

### 11.3. Component Data/ Analysis

COMPONENTS	Oral (LD50) (Rat)	Inhalation (LC50) (Rat)	Dermal (LD50) (Rabbit)
Severely hydrotreated heavy naphthenic petroleum oil	>5000 mg/kg	2.18 mg/l (4hr)	>2000 mg/kg

# SAFETY DATA SHEET – RED LINE 85 PLUS WINTER DIESEL FUEL ENHANCER

---

COMPONENTS	Oral (LD50) (Rat)	Inhalation (LC50) (Rat)	Dermal (LD50) (Rabbit)
Distillates (petroleum), hydrotreated heavy paraffinic	>5000 mg/kg	1.5 mg/l (4hr)	>5000 mg/kg
Oleic Acid	No data found	No data found	No data found
2-Ethylhexyl nitrate	>9640 mg/kg	>4.6 mg/l(4hr)	>4820 mg/kg
2-Ethylhexanol	>3000 mg/kg	> 5.3mg/l(4hr)	>3000 mg/kg
Butanedioic acid, polyisobutenyl derivatives	No data found	No data found	No data found

## 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

---

## 12.1. Ecotoxicity

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

---

## 13.1. Waste Disposal:

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

# 14. TRANSPORTATION INFORMATION

---

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

---

# SAFETY DATA SHEET – RED LINE 85 PLUS WINTER DIESEL FUEL ENHANCER

---

## 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

---

## 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. No components were identified.

## 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. No components were identified.

## 15.6. Clean Water Act (CWA)

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. WARNING: This product contains 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

---

16.1.

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

16.2. Date of preparation: 01/30/2014

16.3. MANUFACTURER DISCLAIMER:



# SAFETY DATA SHEET – RED LINE 85 PLUS WINTER DIESEL FUEL ENHANCER

---

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.*