

SAFETY DATA SHEET – RED LINE SI-1 FUEL INJECTION CLEANER



1. IDENTIFICATION

1.1. PRODUCT IDENTIFIER USED ON LABEL:

1.1.1. **RED LINE SI-1 FUEL INJECTION CLEANER**

1.2. OTHER MEANS OF IDENTIFICATION:

1.2.1. **FUEL INJECTION CLEANER**

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

1.3.1. FUEL INJECTION CLEANER

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

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:

2.1.1. Acute Inhalation Category 4

SAFETY DATA SHEET – RED LINE SI-1 FUEL INJECTION CLEANER

2.1.2. Skin Corrosion/Irritation Category 2

2.1.3. Aquatic Environment Category 4

2.2. Signal Word:

2.2.1. WARNING

2.3. Symbol:



2.4. Hazard Statements:

2.4.1. Harmful if Inhaled.

2.4.2. Causes skin irritation.

2.4.3. May cause long lasting harmful effects to aquatic life.

2.5. Precautionary Statements:

2.5.1. Prevention:

2.5.1.1. Avoid breathing mist or spray.

2.5.1.2. Use only outdoors or in a well-ventilated area.

2.5.1.3. Wear protective gloves.

2.5.1.4. Wash thoroughly after handling.

2.5.1.5. 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.

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 (%)
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SAFETY DATA SHEET – RED LINE SI-1 FUEL INJECTION CLEANER

COMPONENTS	CAS Number	EU Number	Concentration (%)
Severely hydrotreated heavy naphthenic petroleum oil	64742-52-5	265-155-0	50-75
polyetheramine	224622-34-8		20-30
(petroleum), hydrodesulfurized heavy	64742-82-1	265-185-4	1-5

4. FIRST AID MEASURES

4.1.

Skin:	Wash skin with soap and warm water. Wash clothing before re-use.
Eye:	If splashed into eyes flush eyes with clear water for several minutes.
Inhalation:	Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell
Ingestion:	If ingested, do not induce vomiting. Call a physician.

5. FIRE FIGHTING MEASURES

5.1. **Flash Point:** 350°F (177°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 (CO₂) 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

SAFETY DATA SHEET – RED LINE SI-1 FUEL INJECTION CLEANER

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.

7.2. 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

8.1. Component Exposure Limits:

8.1.1. FUEL INJECTION CLEANER 5mg/m³ (oil mist) ACGIH TLV OSHA PEL

COMPONENTS	ACGIH TLV	OSHA PEL
Severely hydrotreated heavy naphthenic petroleum oil	5mg/m ³ (oil mist) TWA	5mg/m ³ (oil mist) TWA
(petroleum), hydrodesulfurized heavy	5mg/m ³ (oil mist) TWA	5mg/m ³ (oil mist) TWA
polyetheramine	Not Available	Not Available

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.

SAFETY DATA SHEET – RED LINE SI-1 FUEL INJECTION CLEANER

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Appearance/Odor:	Clear red liquid with mild ammonia odor.	9.2. Odor Threshold:	No data available
9.3. pH:	No data available	9.4. Boiling Point:	Wide range
9.5. Melting Point:	No data available	9.6. Solubility (H₂O):	Negligible
9.7. Specific Gravity:	0.90 @ 15.6°C	9.8. Density:	7.5 lbs/gal
9.9. Octanol/H₂O Coeff.:	No data available	9.10. Evaporation Rate (BUAC=1):	<1
9.11. Molecular Weight:	No data available	9.12. Decomposition Temp:	No data available
9.13. Auto Ignition:	No data available	9.14. Lower Flammability Limit:	No data available
9.15. Flash Point:	350°F (177°C)	9.16. Upper Flammability Limit:	No data available
9.17. Vapor Density (Air=1):	>1	9.18. Vapor Pressure:	<1mmHg @ 20°C
9.19. VOC:	Nil	9.20. Flammability Class:	Not classified
9.21. Viscosity @ 40°C	24cSt 24 mm ² /s	9.22. Viscosity @ 100°C	5cSt (5 mm ² /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:

SAFETY DATA SHEET – RED LINE SI-1 FUEL INJECTION CLEANER

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: May cause eye irritation.

11.2.3. Skin Contact: Causes Skin irritation.

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)
Severely hydrotreated heavy naphthenic petroleum oil	>5000 mg/kg	2.18 mg/l (4hr)	>2000 mg/kg
(petroleum), hydrodesulfurized heavy	>5000 mg/kg	> 12 mg/l (6hr)	>3160 mg/kg
polyetheramine	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

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.

SAFETY DATA SHEET – RED LINE SI-1 FUEL INJECTION CLEANER

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.

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	1	FIRE HAZARD	1
PHYSICAL HAZARD	0	INSTABILITY/REACTIVITY	0
Personal Protection	C		

SAFETY DATA SHEET – RED LINE SI-1 FUEL INJECTION CLEANER

16.2. Date of preparation: 01/28/2014

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.*