

Prepared according to Commission Regulation (EU) No 453/2010.

<b>Section 1</b>	<b>Identification of substance/mixture and of the company/undertaking</b>
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**1.1 Product Identifier****Red Line Race Oils****2WT, 5WT, 10WT, 20WT, 30WT, 40WT, 50WT, 60WT, 70WT**

Synonyms None.

**1.2 Relevant identified uses of the substance or mixture and (uses advised against)**

Multipurpose.

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

Red Line Synthetic Oil Corporation  
 6100 Egret Court  
 Benicia, CA 94510  
 Tel: (707) 745-6100

E-mail contact [info@redineoil.com](mailto:info@redineoil.com)**1.4 Emergency Telephone number**

FOR TRANSPORT EMERGENCY call 707-745-6100

<b>Section 2</b>	<b>Hazards Identification</b>
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**2.1 Classification of the substance or mixture****(EC) No 1272/2008**

This product does not meet the classification requirements of the current European legislation.

**67/548/EC or 1999/45/EC**

This product does not meet the classification requirements of the current European legislation.

**For a full text of R- and H- phrases: See section 16****2.2 Label elements****(EC) No 1272/2008**In case of fire: Use CO<sub>2</sub>, dry chemical or foam for extinction. Water can be used to cool and protect exposed material.

IF ON SKIN: Gently wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. If eye irritation persists: Get medical attention.

IF INHALED: If experiencing respiratory symptoms: Call a POISON CENTER or doctor.

IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting.

Store in a closed container.

All disposal practices must be in accordance with local, national and international regulations.

**Supplemental label information**

None.

**2.3 Other hazards**

None identified.

<b>Section 3</b>	<b>Composition/Information on Ingredients</b>
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**3.2 Mixtures****(EC) No 1272/2008**

EC No.	Registration Number	Percentage (by wt.)	Name	Classification
272-028-3	Not Available	From 0.1 to 0.9 percent	Zinc, bis[O,O-bis(1,3-dimethylbutyl)phosphorodithioato-S,S']-, (T-4)-	Aquatic Chronic 2; H411 Eye Irrit. 2; H319 Skin Irrit. 2; H315
283-392-8	01-2119493626-26	From 0.1 to 0.9 percent	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr)esters, zinc salts	Aquatic Chronic 2; H411 Eye Dam. 1; H318 Skin Irrit. 2; H315

**67/548/EC or 1999/45/EC**

EC No.	Registration Number	Percentage (by wt.)	Name	Classification
				<b>67/548/EC</b>

## Red Line Race Oils [12/2010]

272-028-3	Not Available	From 0.1 to 0.9 percent	Zinc, bis[O,O-bis(1,3-dimethylbutyl) phosphorodithioato-S,S']-, (T-4)-	N Xi R38 R51/53
283-392-8	01-2119493626-26	From 0.1 to 0.9 percent	Phosphorodithioic acid, mixed O,O-bis (1,3-dimethylbutyl and iso-Pr)esters, zinc salts	N Xi R38 R41 R51/53

<b>Section 4</b>	<b>First Aid Measures</b>
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### 4.1 Description of first aid measures

#### Skin

Wash with soap and water. Get medical attention if irritation develops. Launder contaminated clothing before reuse.

#### Eyes

Flush with water at least 30 minutes. Get medical attention if eye irritation develops or persists.

#### Inhaled

Remove exposed person to fresh air if adverse effects are observed.

#### Swallowed

DO NOT INDUCE VOMITING. Get immediate medical attention.

#### Advice for first-aid providers

When providing first aid always protect your self against exposure to chemicals or blood born diseases by wearing gloves, masks and eye protection. After providing first aid wash your exposed skin with soap and water.

### 4.2 Most important symptoms and effects, both acute and delayed

See section 11.

### 4.3 Indication of any immediate medical attention and special treatment needed

Note to physician: Treat symptomatically.

<b>Section 5</b>	<b>Fire Fighting Measures</b>
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### 5.1 Extinguishing Media

CO<sub>2</sub>, dry chemical, or foam. Water can be used to cool and protect exposed material.

### 5.2 Special hazards arising from substance or mixture

See section 10 for additional information.

### 5.3 Advice for firefighters

Wear full protective firegear including self-containing breathing apparatus operated in the positive pressure mode with full facepiece, coat, pants, gloves and boots. Treat as an oil fire. Do not use a water jet. A solid stream of water will spread the burning material.

<b>Section 6</b>	<b>Accidental Release Measures</b>
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### 6.1 Personal precautions, protective equipment and emergency procedures

Personal protective equipment must be worn. Ventilate area if spilled in a confined space or other poorly ventilated area. Material on floor may be slippery.

### 6.2 Environmental precautions

Prevent entry into sewers and waterways.

### 6.3 Methods and material for containment and cleaning up

Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material. Wash spill area with soap and water.

### 6.4 Reference to other sections

See sections 8 and 13 for additional information.

<b>Section 7</b>	<b>Handling and Storage</b>
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### 7.1 Precautions for safe handling

Keep containers closed when not in use. Avoid eye contact. Avoid repeated or prolonged skin contact. When handling, do not eat, drink, or smoke. Avoid drinking, tasting, swallowing or ingesting this product. Avoid breathing dust, fume, gas, mist, vapors or spray. Wash thoroughly after handling. Launder contaminated clothing before reuse. Empty containers retain material residue. Do not cut, weld, braze, solder, drill, grind or expose containers to heat, flame, spark or other sources of ignition. Dispose of packaging or containers in accordance with local, regional, national and international regulations.

#### Pumping Temperature

Ambient

#### Maximum Handling Temperature

70 °C, 158 °F

#### Loading Temperature

70 °C, 158 °F

**7.2 Conditions for safe storage, including any incompatibilities**

Keep container closed when not in use. Do not store in open, unlabeled or mislabeled containers. See section 10 for incompatible materials.

**Maximum Storage Temperature**

45 °C, 113 °F

**7.3 Specific end use(s)**

Not determined.

<b>Section 8</b>	<b>Exposure Controls/Personal Protection</b>
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**8.1 Control parameters**

None known.

**Other Exposure Limits**

Contains hydrocarbon oil. Under conditions which may generate mists, observe the OSHA PEL of 5 mg per cubic meter, ACGIH STEL of 10 mg per cubic meter.

**8.2 Exposure controls**

Use with adequate ventilation.

**Eye/face protection**

Safety Glasses.

**Skin protection**

Nitrile. Neoprene.

Long sleeve shirt is recommended. Launder contaminated clothing before reuse.

**Respiratory Protection**

Use respirator with a combination organic vapor and high efficiency filter cartridge if recommended exposure limit is exceeded. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites.

**Hygiene Measures**

Wash thoroughly after handling this product. Do not eat, drink or smoke when using this product.

**Environmental exposure controls**

See section 6 for details.

<b>Section 9</b>	<b>Physical and Chemical Properties</b>
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**9.1 Information on basic physical and chemical properties**

<b>Appearance</b>	Brown liquid.
<b>Odor</b>	Mild
<b>Odor Threshold</b>	Not determined.
<b>pH</b>	Not determined.
<b>Melting / Freezing Point</b>	Not determined.
<b>Boiling Point</b>	Not determined.
<b>Boiling Point Range</b>	Not determined.
<b>Flash Point</b>	>216°C, 421°F COC (Typical)
<b>Evaporation Rate</b>	< 1 Butyl acetate=1
<b>Flammability (solid,gas)</b>	Not applicable.
<b>Lower flammability or explosive limit</b>	Not determined.
<b>Upper flammability or explosive limit</b>	Not determined.
<b>Vapor Pressure</b>	Not determined.
<b>Vapor Density</b>	Not determined.
<b>Relative density</b>	0.90 (15.6 °C)
<b>Bulk Density</b>	7.50 Lb/gal, 0.90 Kg/L
<b>Water Solubility</b>	Insoluble.
<b>Other solubilities</b>	Not determined.
<b>Partition coefficient: n-octanol/water</b>	Not determined.
<b>Autoignition Point</b>	Not determined.
<b>Decomposition Temperature</b>	Not determined.
<b>Viscosity</b>	>21 Centistokes (40 °C)

**Explosive properties** Material does not have explosive properties.  
**Oxidising properties** Material is a non-oxidizing substance.

## 9.2 Other information

**Pour Point Temperature** <-40 °C, -40 °F

*The above data are typical values and do not constitute a specification. Vapor pressure data are calculated unless otherwise noted.*

<b>Section 10</b>	<b>Stability and Reactivity</b>
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### 10.1 Reactivity

Carefully review all information provided in sections 10.2 - 10.6.

### 10.2 Chemical stability

Material is normally stable at moderately elevated temperatures and pressures.

### 10.3 Possibility of hazardous reactions

Will not occur.

### 10.4 Conditions to avoid

Not determined.

### 10.5 Incompatible materials

Oxidizing agents.

### 10.6 Hazardous decomposition products

Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion.

<b>Section 11</b>	<b>Toxicological Information</b>
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## 11.1 Information on toxicological effects

### Acute toxicity

#### Oral

The LD50 in rats is > 10,000 mg/Kg. Based on data from components or similar materials.

#### Dermal

The LD50 in rabbits is > 2000 mg/Kg. Based on data from components or similar materials.

#### Inhalation

No data available to indicate product or components may be a toxic inhalation hazard.

### Skin corrosion / irritation

Not expected to be a primary skin irritant. Based on data from components or similar materials. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying, and cracking of the skin.

### Serious eye damage / irritation

Not expected to cause eye irritation. Based on data from components or similar materials.

### Respiratory Irritation

If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract. Based on data from similar materials.

### Respiratory or skin sensitization

#### Skin

No data available to indicate product or components may be a skin sensitizer.

#### Respiratory

No data available to indicate product or components may be respiratory sensitizers.

### Germ cell mutagenicity

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

### Carcinogenicity

This product contains lubricating oils which are considered to be severely refined and not considered to be carcinogenic under IARC. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP 346 test.

### Reproductive Toxicity

No data available to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity.

### STOT repeated exposure

No data available to indicate product or components present at greater than 1% are chronic health hazards.

### Other information

No other health hazards known.

<b>Section 12</b>	<b>Ecological Information</b>
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**12.1 Toxicity****Freshwater fish**

The acute LC50 is 100 - 1000 mg/L based on component data.

**Freshwater invertebrates**

Not determined.

**Algae**

Not determined.

**Bacteria**

The acute EC50 is 100 - 1000 ppm based on component data.

**12.2 Persistence and degradability**

Substance	Pct. (weight)	Test type	Duration (days)	Pct. degradation
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr)esters, zinc salts	From 0.1 to 0.9 percent	Sturm	28	1.5

**12.3 Bioaccumulative potential**

Substance	Pct. (weight)	Test type	Duration (days)	Log Kow or BCF
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr)esters, zinc salts	From 0.1 to 0.9 percent	Octanol-Water Coefficient	0.1	0.6

**12.4 Mobility in soil**

Not applicable.

**12.5 Results of PBT and vPvB assessment**

Not Available

**12.6 Other adverse effects**

None known.

<b>Section 13</b>	<b>Disposal Considerations</b>
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**13.1 Waste treatment methods**

All disposal practices must be in accordance with local, regional, national and international regulations.

Empty container retains product residue and can be hazardous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat, flame, sparks, static electricity, or other sources of ignition. Dispose of packaging or containers in accordance with local, regional, national and international regulations.

<b>Section 14</b>	<b>Transport Information</b>
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**14.1 UN number**

<b>ADR/RID</b>	Not regulated.
<b>ICAO</b>	Not regulated.
<b>IMDG</b>	Not regulated.

**14.2 UN proper shipping name**

<b>ADR/RID</b>	Not regulated.
<b>ICAO</b>	Not regulated.
<b>IMDG</b>	Not regulated.

**14.3 Transport hazard class(es)**

<b>ADR/RID</b>	Not regulated.
<b>ICAO</b>	Not regulated.
<b>IMDG</b>	Not regulated.

**14.4 Packing group**

<b>ADR/RID</b>	Not regulated.
<b>ICAO</b>	Not regulated.
<b>IMDG</b>	Not regulated.

**14.5 Environmental hazards**

<b>ADR/RID</b>	Not applicable.
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**14.6 Special precautions for users**

Review classification requirements before shipping materials at elevated temperatures.

**14.7 Transport in bulk according to Annex II of Marpol 73/78 and the IBC code**

Not determined.

<b>Section 15</b>	<b>Regulatory Information</b>
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**15.1 Safety, health and environment regulations / legislation specific for the substance or mixture**

**Global Chemical Inventories**

**Australia** All components are in compliance with chemical notification requirements in Australia.

**Canada** All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List.

**EU** All components are in compliance with the EC Seventh amendment Directive 92/32/EEC.

**USA** All components of this material are on the US TSCA Inventory or are exempt.

**German water hazard classes**

WGK = 1 according to the Water Hazardous Directive, VwVwS, dated May 17, 1999.

**15.2 Chemical safety assessment**

No chemical safety assessment has been carried out.

<b>Section 16</b>	<b>Other Information</b>
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**Created by**

Product Safety Department (707-745-6100)

**Revision date**

December 28, 2010

**HMIS Codes**

Health	Fire	Reactivity
0	1	0

**Relevant R Phrases**

R38 -- Irritating to skin.

R41 -- Risk of serious damage to eye.

R51/53 -- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Relevant hazard phrases**

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

H319 - Causes serious eye irritation.

H411 - Toxic to aquatic life with long lasting effects.

**Annex**

Not determined.

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