

# Red Line Water Remover [12/2011]

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

Section 1	Identification of substance/mixture and of the company/undertaking
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## 1.1 Product Identifier

### Red Line Water Remover

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 94901  
Tel: (707) 745-6100

E-mail contact [info@redlineoil.com](mailto:info@redlineoil.com)

## 1.4 Emergency Telephone number

FOR TRANSPORT EMERGENCY call 707-745-6100

Section 2	Hazards Identification
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## 2.1 Classification of the substance or mixture

(EC) No 1272/2008

Skin Irrit. 2; H315

67/548/EC or 1999/45/EC

For a full text of R- and H- phrases: See section 16

## 2.2 Label elements

(EC) No 1272/2008



Warning.

Causes Skin irritation.

Wear protective gloves and eye / face protection. Keep away from flames and hot-surfaces. Wash thoroughly after handling.

In case of fire: Use CO2, 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. Remove immediately all contaminated clothing. If skin irritation occurs: Get medical attention.

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 attention.

IF INHALED: If experiencing respiratory symptoms: Call a POISON CENTER or doctor. If breathing is labored, administer oxygen. If breathing has stopped, apply artificial respiration.

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

Store in a well-ventilated place. Keep cool. Store away from potential ignition sources.

All disposal practices must be in accordance with local, national and international regulations. Eliminate all ignition sources if safe to do so.

## Supplemental label information

None.

## 2.3 Other hazards

None identified.

Section 3	Composition/Information on Ingredients
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## 3.2 Mixtures

(EC) No 1272/2008

EC No.	Registration Number	Percentage (by wt.)	Name	Classification
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# Red Line Water Remover [12/2011]

268-949-5 Not Available From 25 to 29.9 percent Tall Oil DiethanolAmide Skin Irrit. 2; H315

## 67/548/EC or 1999/45/EC

EC No.	Registration Number	Percentage (by wt.)	Name	Classification
268-949-5	Not Available	From 25 to 29.9 percent	Tall Oil DiethanolAmide	Xi R38

<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. Immediately remove contaminated clothing. If skin irritation occurs, get medical attention. Launder contaminated clothing before reuse.

#### 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 attention.

#### Inhaled

Remove exposed person to fresh air if adverse effects are observed. If breathing is labored, administer oxygen. If breathing has stopped, apply artificial respiration.

#### Swallowed

DO NOT INDUCE VOMITING. Get immediate medical attention.

#### Advice for first-aid providers

When providing first aid always protect yourself against exposure to chemicals or blood born diseases by wearing gloves, masks and eye protection. If providing CPR use mouthpieces, resuscitation bags, pocket masks or other ventilation devices. 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

Vapors may be heavier than air and may travel along the ground to a distant ignition source and flash back. Container may rupture on heating. See section 10 for additional information.

### 5.3 Advice for firefighters

Recommend wearing self-contained breathing apparatus. Water may cause splattering.

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

Keep unnecessary personnel away. Personal protective equipment must be worn. Ventilate area if spilled in a confined space or other poorly ventilated area. Eliminate all ignition sources if safe to do so.

### 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.

### 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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# Red Line Water Remover [12/2011]

## 7.1 Precautions for safe handling

Keep away from potential sources of ignition. Keep containers closed when not in use. Carefully evaluate processes using this product at elevated temperatures to ensure safe operating conditions. 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

50 °C, 122 °F

### Loading Temperature

50 °C, 122 °F

## 7.2 Conditions for safe storage, including any incompatibilities

Do not store near potential sources of ignition. Store in a well-ventilated place. Keep cool. See section 10 for incompatible materials.

### Maximum Storage Temperature

45 °C, 113 °F

## 7.3 Specific end use(s)

Not determined.

Section 8	Exposure Controls/Personal Protection
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## 8.1 Control parameters

### Other Exposure Limits

None.

## 8.2 Exposure controls

Use material in well ventilated area only. Additional ventilation or exhaust may be required to maintain air concentrations below recommended exposure limits.

### Eye/face protection

Safety glasses. If potential for splash or mist exists, wear chemical goggles or faceshield.

### Skin protection

Use nitrile or neoprene gloves.

Long sleeve shirt is recommended. Wear either a chemical protective suit or apron when potential for contact with material exists. Do not wear rings, watches or similar apparel that could entrap the material and cause a skin reaction. Launder contaminated clothing before reuse.

### Respiratory Protection

Use full face respirator with a combination organic vapor and dust/mist cartridge if the 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.

### Environmental exposure controls

See section 6 for details.

Section 9	Physical and Chemical Properties
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## 9.1 Information on basic physical and chemical properties

<b>Appearance</b>	Amber 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>	121 °C, 250 °F COC (Typical)
<b>Evaporation Rate</b>	Not determined.
<b>Flammability (solid,gas)</b>	Not applicable.

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<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>	1.02 (15.6 °C)
<b>Bulk Density</b>	8.5 Lb/gal, 1.0 Kg/L
<b>Water Solubility</b>	Partially soluble.
<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>	44 Centistokes (40 °C)
<b>Explosive properties</b>	Material does not have explosive properties.
<b>Oxidising properties</b>	Material is a non-oxidizing substance.

## 9.2 Other information

<b>Pour Point Temperature</b>	-40 °C, -40 °F
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*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

Strong oxidizing agents.

### 10.6 Hazardous decomposition products

Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion. Under combustion conditions, oxides of the following elements will be formed: nitrogen.

<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 > 2000 mg/Kg. Based on data from components or similar materials. Swallowing material may cause irritation of the gastrointestinal lining, nausea, vomiting, diarrhea, and abdominal pain. Ingestion may cause CNS depression. Material can be aspirated into the lungs during the act of swallowing or vomiting. This could result in pulmonary edema and chemical pneumonitis.

#### Dermal

The LD50 in rabbits is > 5000 mg/Kg. Based on data from components or similar materials. Prolonged or widespread contact with this material could result in the absorption of potentially harmful amounts.

#### Inhalation

High concentrations may cause headaches, dizziness, nausea, behavioral changes, weakness, drowsiness and stupor.

### Skin corrosion / irritation

May cause skin irritation. Does not meet Canadian D2B or EU R38 criteria. Based on data from 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

Weak to moderate eye irritant. Does not meet EU R36 criteria. Based on data from similar materials.

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## 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. Exposure to a high concentration of vapor or mist may cause severe irritation to the nose and upper respiratory tract. Breathing of vapor or mist may aggravate asthma and inflammatory or fibrotic pulmonary disease.

## 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 mineral 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

Repeated overexposure to petroleum naphtha can cause nervous system damage. A 14-day dermal toxicity study of 2-ethylhexanol in rats showed blood effects, decreased spleen weight and decreased triglycerides. Repeated ingestion of 2-ethylhexanol may cause injury to the liver and kidneys.

## Other information

No other health hazards known.

Section 12	Ecological Information
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### 12.1 Toxicity

#### Freshwater fish

Not determined.

#### Freshwater invertebrates

Not determined.

#### Algae

Not determined.

#### Bacteria

Not determined.

### 12.2 Persistence and degradability

Not applicable.

### 12.3 Bioaccumulative potential

Not applicable.

### 12.4 Mobility in soil

Not applicable.

### 12.5 Results of PBT and vPvB assessment

Not Available

### 12.6 Other adverse effects

None known.

Section 13	Disposal Considerations
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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.

Section 14	Transport Information
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### 14.1 UN number

ADR/RID	Not regulated.
ICAO	Not regulated.
IMDG	Not regulated.

### 14.2 UN proper shipping name

ADR/RID	Not regulated.
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ICAO Not regulated.  
IMDG Not regulated.

## 14.3 Transport hazard class(es)

ADR/RID Not regulated.  
ICAO Not regulated.  
IMDG Not regulated.

## 14.4 Packing group

ADR/RID Not regulated.  
ICAO Not regulated.  
IMDG Not regulated.

## 14.5 Environmental hazards

ADR/RID Not applicable.  
ICAO Not applicable.  
IMDG Not applicable.

## 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.

Section 15	Regulatory Information
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## 15.1 Safety, health and environment regulations / legislation specific for the substance or mixture

### Global Chemical Inventories

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 = 2 according to the Water Hazardous Directive, VwVwS, dated May 17, 1999.

## 15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

Section 16	Other Information
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### Created by

Product Safety Department 707-745-6100)

### Revision date

December 2, 2011

### HMIS Codes

Health	Fire	Reactivity
1*	1	0

### Relevant R Phrases

R338 -- Irritating to skin.

### Relevant hazard phrases

H315 - Causes skin irritation.

### Annex

Not determined.

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