

# Safety Data Sheet

According to OSHA HCS 2012 (29 CFR 1910.1200), Health Canada HPR (SOR/2015-17), and Mexico NOM-018-STPS-2015



## SECTION 1: Identification

**Product Identifier:** Red Line® SuperCool® Extreme with WaterWetter®  
**Code:** 828841  
**Issue date:** 02-Feb-2023  
**Relevant identified uses:** Engine coolant  
**Uses advised against:** All others  
**24 Hour Emergency Phone Number:** CHEMTREC Global +1 703 527 3887  
CHEMTREC United States 1-800-424-9300  
CHEMTREC Mexico 01-800-681-9531  
**Manufacturer/Supplier:** RED LINE SYNTHETIC OIL  
6100 Egret Court  
Benicia, CA 94510  
**SDS Information:** URL: [www.phillips66.com/SDS](http://www.phillips66.com/SDS)  
Phone: 800-762-0942  
Email: [SDS@P66.com](mailto:SDS@P66.com)  
**Technical Information:** 1-707-745-6100

## SECTION 2: Hazard identification

### Classified Hazards

H315 -- Skin corrosion/irritation -- Category 2  
H319 -- Eye damage/irritation -- Category 2A  
H361d -- Reproductive toxicity -- Category 2

### Hazards Not Otherwise Classified (HNOC)

PHNOC: None known  
HHNOC: None known

### Label elements



#### WARNING

H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H361d - Suspected of damaging the unborn child



P201 - Obtain special instructions before use; P202 - Do not handle until all safety precautions have been read and understood; P263 - Avoid contact during pregnancy/while nursing; P264 - Wash skin thoroughly after handling; P280 - Wear protective gloves/protective clothing and eye/face protection; P302 + P352 - IF ON SKIN: Wash with plenty of soap and water; P332 + P313 - If skin irritation occurs: Get medical advice/attention; P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing; P337 + P313 - If eye irritation persists: Get medical advice/attention; P308 + P313 - IF exposed or concerned: Get medical advice/attention; P362 - Take off contaminated clothing and wash before reuse; P405 - Store locked up; P501 - Dispose of contents/ container to an approved waste disposal plant

### SECTION 3: Composition/information on ingredients

Substance	CASRN	Concentration <sup>1</sup>
Triethanolamine	102-71-6	<7.49
Potassium hydroxide	1310-58-3	<4.99
Nonanoic acid	112-05-0	<4.99
Molybdic acid, disodium salt, dihydrate	10102-40-6	<4.99
Adipic acid	124-04-9	<2.49
Boric Acid	10043-35-3	<2.49
Tolytriazole sodium salt	64665-57-2	<2.49

<sup>1</sup> All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

### SECTION 4: First aid measures

**Eye Contact:** For direct contact, remove contact lenses if present and easy to do. Immediately hold eyelids apart and flush the affected eye(s) with clean water for at least 20 minutes. Seek immediate medical attention.

**Skin Contact:** Remove contaminated shoes and clothing, and flush affected area(s) with large amounts of water. If skin surface is damaged, apply a clean dressing and seek medical attention. If skin surface is not damaged, cleanse affected area(s) thoroughly by washing with mild soap and water or a waterless hand cleaner. If irritation or redness develops, seek medical attention. Wash contaminated clothing before reuse.

**Inhalation:** First aid is not normally required. If breathing difficulties develop, move victim away from source of exposure and into fresh air in a position comfortable for breathing. Seek immediate medical attention.

**Ingestion:** First aid is not normally required; however, if swallowed and symptoms develop, seek medical attention.

**Most important symptoms and effects, both acute and delayed:** Effects of overexposure may include severe irritation of the mouth, nose, throat, respiratory, and digestive tract.

**Other Comments:** None

### SECTION 5: Firefighting measures

#### NFPA 704: National Fire Protection Association

Health: 2                      Flammability: 0                      Instability: 0



0 = minimal hazard  
1 = slight hazard  
2 = moderate hazard  
3 = severe hazard  
4 = extreme hazard

**Extinguishing Media:** Use extinguishing agent suitable for type of surrounding fire

#### Specific hazards arising from the chemical

**Unusual Fire & Explosion Hazards:** No unusual fire or explosion hazards are expected. If container is not properly cooled, it can rupture in the heat of a fire.

**Hazardous Combustion Products:** None anticipated.

**Special protective actions for fire-fighters:** For fires beyond the initial stage, emergency responders in the immediate hazard area should wear protective clothing. When the potential chemical hazard is unknown, in enclosed or confined spaces, a self contained breathing apparatus should be worn. In addition, wear other appropriate protective equipment as conditions warrant (see Section 8). Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Stop spill/release if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Cool equipment exposed to

fire with water, if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely.

**See Section 9 for Flammable Properties including Flash Point and Flammable (Explosive) Limits**

**SECTION 6: Accidental release measures**

**Personal precautions, protective equipment and emergency procedures:** Stay upwind and away from spill/release. Avoid direct contact with material. For large spillages, notify persons down wind of the spill/release, isolate immediate hazard area and keep unauthorized personnel out. Wear appropriate protective equipment, including respiratory protection, as conditions warrant (see Section 8). See Sections 2 and 7 for additional information on hazards and precautionary measures.

**Environmental Precautions:** Stop and contain spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems, and natural waterways. Use water sparingly to minimize environmental contamination and reduce disposal requirements. If spill occurs on water notify appropriate authorities and advise shipping of any hazard.

**Methods and material for containment and cleaning up:** Notify relevant authorities in accordance with all applicable regulations. Immediate cleanup of any spill is recommended. Dike far ahead of spill for later recovery or disposal. Absorb spill with inert material such as sand or vermiculite, and place in suitable container for disposal. If spilled on water remove with appropriate methods (e.g. skimming, booms or absorbents). In case of soil contamination, remove contaminated soil for remediation or disposal, in accordance with local regulations.

Recommended measures are based on the most likely spillage scenarios for this material; however local conditions and regulations may influence or limit the choice of appropriate actions to be taken. See Section 13 for information on appropriate disposal.

**SECTION 7: Handling and storage**

**Precautions for safe handling:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact during pregnancy and while nursing. Use personal protective equipment as required. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling. Use good personal hygiene practices and wear appropriate personal protective equipment (see section 8). Spills will produce very slippery surfaces. Do not wear contaminated clothing or shoes. Do not enter confined spaces such as tanks or pits without following proper entry procedures such as ASTM D-4276 and 29CFR 1910.146.

**Conditions for safe storage:** Keep container(s) tightly closed and properly labeled. Use and store this material in cool, dry, well-ventilated areas. Store only in approved containers. Keep away from any incompatible material (see Section 10). Protect container(s) against physical damage. Indoor storage should meet OSHA standards and appropriate fire codes.

**SECTION 8: Exposure controls/personal protection**

**Occupational exposure limits**

Substance	ACGIH	OSHA	Mexico	Phillips 66
Triethanolamine	TWA-8hr: 5 mg/m <sup>3</sup>	---	TWA-8hr: 5 mg/m <sup>3</sup> (VLE-PPT)	---
Potassium hydroxide	Ceiling: 2 mg/m <sup>3</sup>	---	Ceiling: 2 mg/m <sup>3</sup>	---
Molybdcic acid, disodium salt, dihydrate	TWA-8hr: 0.5 mg/m <sup>3</sup> respirable particulate matter	TWA-8hr: 5 mg/m <sup>3</sup>	TWA-8hr: 0.5 mg/m <sup>3</sup> Mo respirable fraction (VLE-PPT)	---
Adipic acid	TWA-8hr: 5 mg/m <sup>3</sup>	---	TWA-8hr: 5 mg/m <sup>3</sup> (VLE-PPT)	---
Boric Acid	TWA-8hr: 2 mg/m <sup>3</sup> inhalable particulate matter Borate compounds, inorganic TWA-8hr: 2 mg/m <sup>3</sup> inhalable particulate matter STEL: 6 mg/m <sup>3</sup> inhalable particulate matter Borate	---	TWA-8hr: 2 mg/m <sup>3</sup> inhalable fraction (VLE-PPT) STEL: 6 mg/m <sup>3</sup> inhalable fraction (PPT-CT)	---

	compounds, inorganic		
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State, local or other agencies or advisory groups may have established more stringent limits. Consult an industrial hygienist or similar professional, or your local agencies, for further information. --- = None.

**Biological occupational exposure limits**

None.

**Engineering controls:** If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure limits, additional engineering controls may be required.

**Eye/Face Protection:** The use of eye protection (such as splash goggles) that meets or exceeds ANSI Z.87.1 is recommended when there is potential liquid contact to the eye. Depending on conditions of use, a face shield may be necessary.

**Skin/Hand Protection:** The use of gloves impervious to the specific material handled is advised to prevent skin contact. Users should check with manufacturers to confirm the breakthrough performance of their products. Depending on exposure and use conditions, additional protection may be necessary to prevent skin contact including use of items such as chemical resistant boots, aprons, arm covers, hoods, coveralls, or encapsulated suits. Suggested protective materials: Nitrile rubber.

**Respiratory Protection:** Where there is potential for airborne exposure above the exposure limit a NIOSH certified air purifying respirator equipped with organic vapor cartridges/canisters with R or P95 filters may be used.

A respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed whenever workplace conditions warrant a respirator's use. Air purifying respirators provide limited protection and cannot be used in atmospheres that exceed the maximum use concentration (as directed by regulation or the manufacturer's instructions), in oxygen deficient (less than 19.5 percent oxygen) situations, or under conditions that are immediately dangerous to life and health (IDLH).

**Other Protective Equipment:** Eye wash and quick-drench shower facilities should be available in the work area. Thoroughly clean shoes and wash contaminated clothing before reuse.

**Suggestions provided in this section for exposure control and specific types of protective equipment are based on readily available information. Users should consult with the specific manufacturer to confirm the performance of their protective equipment. Specific situations may require consultation with industrial hygiene, safety, or engineering professionals.**

**SECTION 9: Physical and chemical properties**

Data represent typical values and are not intended to be specifications. N/A = Not Applicable; N/D = Not Determined

<b>Color:</b>	pink, Clear and bright
<b>Physical State:</b>	Liquid
<b>Odor:</b>	Pungent
<b>Odor threshold:</b>	No data
<b>pH:</b>	8.65
<b>Melting / freezing point:</b>	32 °F / 0 °C
<b>Initial boiling point and boiling range:</b>	212 °F / 100 °C
<b>Flash point:</b>	Not applicable
<b>Method:</b>	Not applicable
<b>Evaporation Rate (nBuAc=1):</b>	No data
<b>Flammability (solid, gas):</b>	Not applicable
<b>Upper Explosive Limits (vol % in air):</b>	No data
<b>Lower Explosive Limits (vol % in air):</b>	No data
<b>Vapor pressure:</b>	No data
<b>Vapor density:</b>	>1 (air = 1)
<b>Relative density:</b>	1.09
<b>Solubility:</b>	Negligible
<b>Partition coefficient n-octanol /water (log Kow):</b>	No data
<b>Autoignition temperature:</b>	No data
<b>Decomposition temperature:</b>	No data
<b>Viscosity:</b>	4.31 cSt @ 100°C; 4.32 cSt @ 40°C
<b>Molecular weight:</b>	No data

Other information

Particle characteristics	No data
Pour point:	No data
Bulk density	9.1 lbs/gal

## SECTION 10: Stability and reactivity

**Reactivity:** Not chemically reactive.

**Chemical stability:** Stable under normal ambient and anticipated conditions of use.

**Possibility of Hazardous Reactions:** Hazardous reactions not anticipated.

**Conditions to Avoid:** Stable under normal ambient and anticipated conditions of use.

**Incompatible Materials:** Avoid contact with strong oxidizing agents and strong reducing agents.

**Hazardous Decomposition Products:** Not anticipated under normal conditions of use.

## SECTION 11: Toxicological information

### Information on Toxicological Effects

#### Substance / Mixture

Acute Toxicity	Hazard	Additional Information	LC50/LD50 Data
Inhalation	Unlikely to be harmful		>5 mg/L (mist, estimated)
Dermal	Unlikely to be harmful		> 2 g/kg (estimated)
Oral	Unlikely to be harmful		> 5 g/kg (estimated)

**Likely Routes of Exposure:** Inhalation, eye contact, skin contact

**Aspiration Hazard:** Not expected to be an aspiration hazard.

**Skin Corrosion/Irritation:** Causes skin irritation.

**Serious Eye Damage/Irritation:** Causes serious eye irritation.

**Skin Sensitization:** No information available on the mixture, however none of the components have been classified for skin sensitization (or are below the concentration threshold for classification).

**Respiratory Sensitization:** No information available on the mixture, however none of the components have been classified for respiratory sensitization (or are below the concentration threshold for classification).

**Specific target organ toxicity - Single exposure:** No information available on the mixture, however none of the components have been classified for target organ toxicity (or are below the concentration threshold for classification).

**Specific target organ toxicity - Repeated exposure:** No information available on the mixture, however none of the components have been classified for target organ toxicity (or are below the concentration threshold for classification).

**Carcinogenicity:** No information available on the mixture, however none of the components have been classified for carcinogenicity (or are below the concentration threshold for classification).

**Germ Cell Mutagenicity:** No information available on the mixture, however none of the components have been classified for germ cell mutagenicity (or are below the concentration threshold for classification).

**Reproductive Toxicity:** Suspected of damaging the unborn child.

## Information on Toxicological Effects of Components

### Boric Acid

Additional Information (Reproductive toxicity): This product contains low levels of boric acid and/or borates. Boric acid administered at high doses repeatedly in the diet of animals has been demonstrated to cause adverse reproductive effects and when administered to pregnant animals, developmental effects were observed in the fetuses at maternally toxic doses. For both reproductive and developmental toxicity the specific concentration limit (SCL) for boric acid in mixtures is 5.5%.

Additional Information (STOT RE): This product contains low levels of boric acid and/or borates. Boric acid and/or borates administered at high doses have been reported to cause liver and kidney damage in rats. In addition, boric acid has been reported to damage the testes and to adversely affect sperm production and fertility in animals when administered at high doses. The adverse effects found with boric acid are similar to those obtained from other borates indicating that the boron is the toxicologically active species.

## SECTION 12: Ecological information

### **GHS Classification:**

**No classified hazards**

**Toxicity:** Not expected to be harmful to aquatic life

**Persistence and Degradability:** Not expected to persist in the environment if spilled or released.

**Bioaccumulative Potential:** Not expected to bioaccumulate.

**Mobility in Soil:** Substance is expected to possess low mobility in soil.

**Other adverse effects:** None anticipated.

## SECTION 13: Disposal considerations

The generator of a waste is always responsible for making proper hazardous waste determinations and needs to consider state and local requirements in addition to federal regulations. This material, if discarded as produced, would not be a federally regulated RCRA "listed" hazardous waste and is not believed to exhibit characteristics of hazardous waste. See Sections 7 and 8 for information on handling, storage and personal protection and Section 9 for physical/chemical properties. It is possible that the material as produced contains constituents which are not required to be listed in the SDS but could affect the hazardous waste determination. Additionally, use which results in chemical or physical change of this material could subject it to regulation as a hazardous waste. Container contents should be completely used and containers should be emptied prior to discard.

## SECTION 14: Transport information

**UN Number:** Not regulated

**UN proper shipping name:** None

**Transport hazard class(es):** None

**Packing Group:** None

**Environmental Hazard(s):** This product does not meet the DOT/UN/IMDG/IMO criteria of a marine pollutant

**Special precautions for user:** None

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable

## SECTION 15: Regulatory information

### **CERCLA/SARA - Section 302 Extremely Hazardous Substances and TPQs (in pounds)**

This material does not contain any chemicals subject to the reporting requirements of SARA 302 and 40 CFR 372.

### **CERCLA/SARA - Section 311/312 (Title III Hazard Categories)**

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.


**CERCLA/SARA - Section 313 and 40 CFR 372**

This material does not contain any chemicals subject to the reporting requirements of SARA 313 and 40 CFR 372.

**EPA (CERCLA) Reportable Quantity (in pounds)**

This material does not contain any chemicals with CERCLA Reportable Quantities.

**California Proposition 65**

 **WARNING:** This product can expose you to chemicals including Diethanolamine (CASRN 111-42-2) which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**International Inventories**

TSCA (United States): All ingredients are on the inventory or exempt from listing.  
All components are either on the DSL, or are exempt from DSL listing requirements.

**SECTION 16: Other information**

Issue date	Previous Issue Date:	SDS Number	Status:
02-Feb-2023	28-Dec-2022	828841	FINAL

**Revised Sections or Basis for Revision:**

Identified Hazards (Section 2); Precautionary Statement(s) (Section 2); Composition (Section 3); Exposure limits (Section 8); Physical Properties (Section 9); Toxicological (Section 11)

**Mexican NOM-018-STPS-2015:**

The information within is considered correct but is not exhaustive and will be used for guidance only, which is based on the current knowledge of the substance or mixture and is applicable to the appropriate safety precautions for the product.

**Precautionary Statements**

- P201 - Obtain special instructions before use
- P202 - Do not handle until all safety precautions have been read and understood
- P263 - Avoid contact during pregnancy/while nursing
- P264 - Wash skin thoroughly after handling
- P280 - Wear protective gloves/protective clothing and eye/face protection
- P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
- P332 + P313 - If skin irritation occurs: Get medical advice/attention
- P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P337 + P313 - If eye irritation persists: Get medical advice/attention
- P308 + P313 - IF exposed or concerned: Get medical advice/attention
- P362 - Take off contaminated clothing and wash before reuse
- P405 - Store locked up
- P501 - Dispose of contents/ container to an approved waste disposal plant

**Guide to Abbreviations:**

ACGIH = American Conference of Governmental Industrial Hygienists; CASRN = Chemical Abstracts Service Registry Number; CEILING = Ceiling Limit (15 minutes); CERCLA = The Comprehensive Environmental Response, Compensation, and Liability Act; EPA = Environmental Protection Agency; GHS = Globally Harmonized System; HPR = Hazardous Products Regulations; IARC = International Agency for Research on Cancer; INSHT = National Institute for Health and Safety at Work; IOPC = International Oil Pollution Compensation; LEL = Lower Explosive Limit; NE = Not Established; NFPA = National Fire Protection Association; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; PEL = Permissible Exposure Limit (OSHA); SARA = Superfund Amendments and Reauthorization Act; STEL = Short Term Exposure Limit (15 minutes); TLV = Threshold Limit Value (ACGIH); TWA = Time Weighted Average (8 hours); UEL = Upper Explosive Limit; WHMIS = Worker Hazardous Materials Information System (Canada)

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