

Safety Data Sheet

Safety Data Sheet according to Regulation (EC) No.
1907/2006 (REACH)



SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Substance name: **Red Line® WaterWetter® SuperCoolant**
Code: **828841**
Unique Formula Identifier (UFI) : **YWNQ-4GAC-2X9P-N6XU**
REACH Registration Number: Not applicable
Issue date: 18-Sep-2024

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Engine coolant
Uses advised against: Other uses are not recommended unless an assessment demonstrates potential exposures will be controlled.

1.3. Details of the supplier of the safety data sheet

Manufacturer/Supplier: Red Line Synthetic Oil
P.O. Box 421959
Houston, TX 77242
Technical Information: 1-707-745-6100
SDS Information: URL: www.Phillips66.com/SDS
Phone: 800-762-0942
Email: SDS@P66.com

1.4. Emergency telephone number

CHEMTREC Global: +1 703 527 3887
CHEMTREC UK: +(44)-870-8200418
Poison Centre: N/A

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

CLP Classification (EC No 1272/2008)

H315 -- Skin corrosion/irritation -- Category 2
H319 -- Eye damage/irritation -- Category 2

2.2. Label elements



WARNING

H315 - Causes skin irritation
H319 - Causes serious eye irritation

P264 - Wash skin thoroughly after handling
P280 - Wear protective gloves/protective clothing/eye protection/face protection
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
 P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
 P362 - Take off contaminated clothing and wash before reuse

2.3. Other hazards

Does not meet the criteria for persistent, bioaccumulative and toxic (PBT) or very persistent, very bioaccumulative (vPvB) substances.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	Concentration ¹	EINECS	REACH Reg. No
Nonanoic acid, potassium salt 23282-34-0	<19.9	--	---
Octanoic acid, potassium salt 764-71-6	<7.49	212-130-7	---
Disodium molybdate dihydrate 10102-40-6	<4.99	600-158-6	---
Tolyltriazole, sodium salt 64665-57-2	<0.99	265-004-9	---
Substance	Classification ²	M-Factor/ATE/SCL	
Nonanoic acid, potassium salt 23282-34-0	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	---	
Octanoic acid, potassium salt 764-71-6	Skin Irrit. 2, H315 Eye Irrit. 2, H319	---	
Disodium molybdate dihydrate 10102-40-6	--	---	
Tolyltriazole, sodium salt 64665-57-2	Acute Tox. 4, H302 Skin Corr. 1, H314 Eye Dam. 1, H318 STOT SE 3, H335 Repr. 2, H361D Aquatic Chronic 2, H411	Oral ATE: 735mg/kg bw	

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

² Regulation EC 1272/2008.

See Section 11 for more information

SECTION 4: First aid measures

4.1. Description of 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.

4.2. 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.

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

Other Comments: None

SECTION 5: Firefighting measures

5.1. Extinguishing media

Use extinguishing agent suitable for type of surrounding fire

5.2. Special hazards arising from the substance or mixture

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.

5.3. 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 vapours 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

6.1. 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 unauthorised 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.

6.2. Environmental precautions

Stop and contain spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorised 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.

6.3. Methods and material for containment and cleaning up

Notify relevant authorities in accordance with all applicable regulations. 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

7.1. Precautions for safe handling

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.

7.2. Conditions for safe storage, including any incompatibilities

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 Country or Committee standards and appropriate fire codes.

7.3. Specific end use(s)

Refer to supplemental exposure scenarios if attached.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure Limits:

Substance	ACGIH	Ireland	United Kingdom	Phillips 66
Disodium molybdate dihydrate	TWA-8hr: 0.5 mg/m ³ respirable particulate matter	TWA-8hr: 10 mg/m ³ inhalable fraction TWA-8hr: 0.5 mg/m ³ STEL: 30 mg/m ³ inhalable fraction and vapour STEL: 1.5 mg/m ³ respirable fraction	TWA-8hr: 5 mg/m ³ STEL: 10 mg/m ³	---

STEL = Short Term Exposure Limit (15 minutes); TWA = Time Weighted Average (8 hours); --- = No Occupational Exposure Limit. Local regulations may be more stringent than regional or national requirements.

Biological Limit Values: None

Relevant DNEL and PNEC: No information available

8.2. Exposure controls

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 EN 166 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 that comply with EN 374 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 an approved air purifying respirator equipped with Type A, organic gases and vapours filter (as specified by the manufacturer) in combination with Type P2 - Medium efficiency particle filters may be used.

A respiratory protection programme that follows recommendations for the selection, use, care and maintenance of respiratory protective devices in EN 529:2005 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.

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.

Environmental Exposure Controls: Not applicable

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

9.1. Information on basic physical and chemical properties

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

Physical State:	Liquid
Colour:	Transparent pink; Clear and bright
Odour:	Mild
Melting / freezing point:	32 °F / 0 °C
Initial boiling point and boiling range:	212 °F / 100 °C
Flammability (solid, gas):	N/A
Upper Explosive Limits (vol % in air):	N/D
Lower Explosive Limits (vol % in air):	N/D
Flash point:	N/A
Method:	N/A
Autoignition temperature:	N/D
Decomposition temperature:	N/D
pH:	8.4
Viscosity:	4.31 cSt @ 100°C; 4.32 cSt @ 40°C
Solubility:	Negligible
Partition coefficient n-octanol /water (log Kow):	N/D
Vapour pressure:	N/D
Vapour density:	>1 (air = 1)
Relative density:	1.09
Particle characteristics:	N/A

9.2. Other information

9.2.1. Information with regards to physical hazard classes

No information available

9.2.2. Other safety characteristics

Evaporation Rate (nBuAc=1):	N/D
Bulk Density:	1088.02 kg/m ³
Explosive properties:	N/D
Oxidising properties:	N/D

SECTION 10: Stability and reactivity

10.1. Reactivity	Not chemically reactive.
10.2. Chemical stability	Stable under normal ambient and anticipated conditions of use.
10.3. Possibility of hazardous reactions	Hazardous reactions not anticipated.
10.4. Conditions to avoid	Extended exposure to high temperatures can cause decomposition.
10.5. Incompatible materials	Avoid contact with strong oxidizing agents and strong reducing agents.
10.6. Hazardous decomposition products	Not anticipated under normal conditions of use.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Likely Routes of Exposure: Inhalation, Ingestion, Eye contact, Skin contact

Aspiration Hazard: Not expected to be an aspiration hazard.

Acute Oral Toxicity

Product

Classification: Unlikely to be harmful

Oral LD50: > 5 g/kg (estimated)

Remarks: Based on components

Substance	Oral LD50	Species	Method	Remarks
Nonanoic acid, potassium salt	> 2 g/kg	Rat	OECD 423	
Tolyltriazole, sodium salt	735 mg/kg bw	Rat	Similar to OECD 401	

Acute Dermal Toxicity

Product

Classification: Unlikely to be harmful

Dermal LD50: > 2 g/kg (estimated)

Remarks: Based on components

Substance	Dermal LD50	Species	Method	Remarks
Nonanoic acid, potassium salt	> 2 g/kg	Rat	OECD 402	
Tolyltriazole, sodium salt	> 2 g/kg bw	Rabbit	Similar to OECD 402	

Acute Inhalation Toxicity

Product

Classification: Unlikely to be harmful

Inhalation LC50 : >5 mg/L (mist, estimated)

Remarks: Based on components

Substance	Inhalation LC50	Species	Method	Remarks
Nonanoic acid, potassium salt	> 5 mg/L	Rat	Similar to OECD 403	Aerosol

Serious Eye Damage/Irritation

Product

Classification: Causes serious eye irritation

Remarks: Based on components

Substance	Classification	SCL	Species	Method	Remarks
Nonanoic acid, potassium salt	Causes serious eye irritation		Rabbit	Other: Non-guideline	Based on similar material
Octanoic acid, potassium salt	Causes serious eye irritation				
Tolyltriazole, sodium salt	Causes serious eye damage				

Skin Corrosion/Irritation

Product

Classification: Causes skin irritation

Remarks: Based on components

Substance	Classification	SCL	Species	Method	Remarks
Nonanoic acid, potassium salt	Causes skin irritation		Rabbit	OECD 404	
Octanoic acid, potassium salt	Causes skin irritation				
Tolyltriazole, sodium salt	Causes severe skin burns and eye damage		Rabbit	OECD 404	

Respiratory Sensitisation

Product

Classification: No information available

Substance	Respiratory Sensitisation:	SCL	Species	Method	Remarks
Nonanoic acid, potassium salt	No information available				
Octanoic acid, potassium salt	No information available				
Tolyltriazole, sodium salt	No information available				

Skin Sensitisation

Product

Classification: No information available on the mixture, however none of the components have been classified for skin sensitisation (or are below the concentration threshold for classification)

Substance	Skin Sensitisation	SCL	Species	Method	Remarks
Nonanoic acid, potassium salt	Not expected to be a skin sensitizer		Guinea pig	OECD 406	
Octanoic acid, potassium salt	No information available				
Tolyltriazole, sodium salt	Not expected to be a skin sensitizer		Guinea pig	OECD 406	Based on similar material

Specific target organ toxicity - Single exposure

Product

Classification: 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)

Substance	Specific target organ toxicity - Single exposure	Target Organs
Nonanoic acid, potassium salt	No information available	
Octanoic acid, potassium salt	No information available	
Tolyltriazole, sodium salt	May cause respiratory irritation	

Specific target organ toxicity - Repeated exposure

Product

Classification: 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)

Substance	Specific target organ toxicity - Repeated exposure	SCL	Method	Target Organs
Nonanoic acid, potassium salt	Not expected to cause organ effects from repeated exposure		Similar to OECD 408	
Octanoic acid, potassium salt	No information available			
Tolyltriazole, sodium salt	Inadequate information available.		OECD 407	

Carcinogenicity

Product

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

Substance	Classification	Method
Nonanoic acid, potassium salt	Not expected to cause cancer.	
Octanoic acid, potassium salt	No information available	
Tolyltriazole, sodium salt	No information available	

Reproductive/Developmental/Teratogenic effects

Product

Classification: No information available on the mixture, however none of the components have been classified for reproductive toxicity (or are below the concentration threshold for classification)

Additional Information (Reproductive toxicity): Based on component information.

Nonanoic acid, potassium salt (23282-34-0)			
Endpoint type	Method	Result	Remarks
Effects on fertility	Similar to OECD 416	Based on available data, the classification criteria are not met	Based on similar material
Effects on fetal development	Similar to OECD 414	Based on available data, the classification criteria are not met	Based on similar material

Tolyltriazole, sodium salt (64665-57-2)			
Endpoint type	Method	Result	Remarks
Effects on fetal development	OECD 414	Suspected of damaging the unborn child	

Mutagenic effects

Product

Classification: 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)

Nonanoic acid, potassium salt (23282-34-0)		
Method	Result	Remarks
OECD 471	Negative	
OECD 473	Negative	
Similar to OECD 475	Negative	

Tolyltriazole, sodium salt (64665-57-2)		
Method	Result	Remarks
OECD 476	Negative	Based on similar material
OECD 471	Negative	Based on similar material
OECD 474	Negative	Based on similar material

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

This product does not contain any known or suspected endocrine disruptors

11.2.2 Other Information

None known

SECTION 12: Ecological information

12.1. Toxicity

Not expected to be harmful to aquatic life

12.2. Persistence and degradability

Not expected to persist in the environment if spilled or released.

12.3. Bioaccumulative potential

Not expected to bioaccumulate.

12.4. Mobility in soil

Substance is expected to possess low mobility in soil.

12.5. Results of PBT and vPvB assessment

Not a PBT or vPvB substance.

12.6 Endocrine disrupting properties

This product does not contain any known or suspected endocrine disruptors

12.7 Other adverse effects

None anticipated.

German Water Hazard Information: hazard class 1 - low hazard to waters

SECTION 13: Disposal considerations

13.1. Waste treatment methods

European Waste Code: 16 01 15 antifreeze fluids other than those mentioned in 16 01 14

This material, if discarded as produced, would be considered as hazardous waste pursuant to Directive 2008/98/EC on hazardous waste, and subject to the provisions of that Directive unless Article 1(5) of that Directive applies.

This code has been assigned based upon the most common uses for this material and may not reflect contaminants resulting from actual use. Waste generators/producers are responsible for assessing the actual process used when generating the waste and its contaminants in order to assign the proper waste disposal code.

Disposal must be in accordance with Directive 2008/98/EC and other applicable national or regional provisions, and based upon material characteristics at time of disposal. For incineration of waste, follow Directive 2000/76/EC. For landfill of waste, follow Directive 1999/31/EC.

Empty Containers: Container contents should be completely used and containers emptied prior to discard. Empty drums should be properly sealed and promptly returned to a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with applicable regulations.

SECTION 14: Transport information

14.1. UN number

Not regulated

14.2. UN proper shipping name

None

14.3. Transport hazard class(es)

None

14.4. Packing group

None

14.5. Environmental hazards

This product does not meet the DOT/UN/IMDG/IMO criteria of a marine pollutant

14.6. Special precautions for user

None

14.7 Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EC 1272/2008 - Classification, labelling and packaging of substances and mixtures
EN166:2002 Eye Protection
EN 529:2005 Respiratory Protective devices
BS EN 374-1:2016 Protective gloves against chemicals and micro-organisms
Occupational Exposure Limits, Technical Rules for Dangerous Substances
Occupational Exposure Limits, Health and Safety Authority
Workplace Exposure Limits, EH40/2005, Control of Substances Hazardous to Health
Federal Water Act on the Classification of Substances Hazardous to Waters
Directive 2008/98/EC (Waste Framework Directive)

Export Rating: NLR (No Licence Required)

EU - REACH (1907/2006) - Article 59(1) - Candidate List of Substances of Very High Concern (SVHC) for Authorisation:
This product contains one or more candidate substance(s) of very high concern (Regulation (EC) No. 1907/2006 (REACH), Article 59).

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out for the substance/mixture.

SECTION 16: Other information

Issue date:	18-Sep-2024
Status:	FINAL
Previous Issue Date:	23-Apr-2024
Reason for Revision:	Product identifier Composition/information on ingredients Firefighting measures Toxicological Information
Safety Data Sheet Number:	828841
Language:	BE

List of Relevant Hazard Statements:

H302 - Harmful if swallowed
H314 - Causes severe skin burns and eye damage
H315 - Causes skin irritation
H318 - Causes serious eye damage
H319 - Causes serious eye irritation
H335 - May cause respiratory irritation
H361 - Suspected of damaging fertility or the unborn child
H411 - Toxic to aquatic life with long lasting effects
H412 - Harmful to aquatic life with long lasting effects

Regulatory Basis of Classification

Classification	Regulatory Basis
H315 -- Skin corrosion/irritation -- Category 2	Based on component information.
H319 -- Eye damage/irritation -- Category 2	Based on component information.

Key literature references and sources for data:

Information used includes one or more of the following: results from internal company data, supplier toxicology studies, CONCAWE Product Dossiers and other publicly available resources.

Guide to Abbreviations:

ACGIH = American Conference of Governmental Industrial Hygienists; ADR = Agreement on Dangerous Goods by Road; BMGV = Biological Monitoring Guidance Value; CASRN = Chemical Abstracts Service Registry Number; CEILING = Ceiling Limit; EINECS = European Inventory of Existing Commercial Chemical Substances; EPA = [US] Environmental Protection Agency; Germany-TRGS = Technical Rules for Dangerous Substances; IARC = International Agency for Research on Cancer; ICAO/IATA = International Civil Aviation Organisation / International Air Transport Association; INSHT = National Institute for Health and Safety at Work; IMDG = International Maritime Dangerous Goods; Ireland-HSA = Ireland's National Health and Safety Authority; LEL = Lower Explosive Limit; MARPOL = Marine Pollution; N/A = Not Applicable; N/D = Not Determined; NTP = [US] National Toxicology Programme; PBT = Persistent, Bioaccumulative and Toxic; RID = Regulations Concerning the International Transport of Dangerous Goods by Rail; STEL = Short Term Exposure Limit; TLV = Threshold Limit Value; TRGS 903 = Technical rules for hazardous substances; TWA = Time Weighted Average; UEL = Upper Explosive Limit; UK-EH40 = United Kingdom EH40/2005 OEL; vPvB = very Persistent, very Bioaccumulative A1 - Known Human Carcinogen A2 - Suspected Human Carcinogen A3 - Animal Carcinogen A4 - Not Classifiable as a Human Carcinogen

Disclaimer of Expressed and implied Warranties:

The information presented in this Safety Data Sheet is based on data believed to be accurate as of the date this Safety Data Sheet was prepared.

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