



Safety Data Sheet

Issue Date: 15-Jun-2026

Revision Date: 16-Jun-2026

Version 1

1. IDENTIFICATION

Product identifier

Product Name PULSALube Ultra 5HGS Synthetic Hydraulic & Gear Oil

Other means of identification

SDS # PULSA-007

Recommended use of this chemical and restrictions on use

Recommended use Circulating/gear oil.

Details of the supplier of the safety data sheet

Supplier Address

Pulsafeeder, Inc.
2883 Brighton Henrietta Town Line Road
Rochester, NY 14623
Phone: 585-292-8000

Emergency telephone number

Emergency Telephone INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Orange liquid

Physical state Liquid

Odor Characteristic

Classification

This product is not considered hazardous by the US OSHA Hazard Communication Standard 2024 (29 CFR 1910.1200).

Label elements

Hazard statements

This product is not considered hazardous by the US OSHA Hazard Communication Standard 2024 (29 CFR 1910.1200).

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Chemical name	CAS No.	Weight-%
Triphenyl Phosphate	115-86-6	0.1-0.25

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

General Advice

Provide this SDS to medical personnel for treatment.

Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin Contact	Wash contact areas with soap and water. INJECTION INJURY WARNING: If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.
Inhalation	Remove to fresh air. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Seek medical attention if symptoms develop.

Most important symptoms and effects, both acute and delayed

Symptoms	Not determined.
-----------------	-----------------

Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
---------------------------	------------------------

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water spray (fog). Foam. Dry chemical. Carbon dioxide (CO₂). Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media Do not use a solid water stream as it may scatter and spread fire.

Specific Hazards Arising from the Chemical

Not determined.

Hazardous combustion products Aldehydes, Incomplete combustion products, Oxides of carbon, Smoke, Fume, Sulfur oxides.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Use personal protective equipment as required.
-----------------------------	--

Environmental precautions

Environmental precautions	See Section 12 for additional Ecological Information.
----------------------------------	---

Methods and material for containment and cleaning up

Methods for Containment	Prevent further leakage or spillage if safe to do so.
--------------------------------	---

Methods for Clean-Up

Land spill: Recover by pumping or with suitable absorbent

Water Spill: Confine the spill immediately with booms. Warn other shipping. Remove from the surface by skimming or with suitable absorbents. Seek the advice of a specialist before using dispersants

Water spill and land spill recommendations are based on the most likely scenario for this material; however, geographic conditions, wind, temperature, (and in the case of a water spill) wave and current direction and speed may greatly influence the appropriate action to be taken. For this reason, local experts should be consulted. Note: Local regulations may prescribe or limit action to be taken.

7. HANDLING AND STORAGE**Precautions for safe handling****Advice on Safe Handling**

Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

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

Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Materials

Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Exposure Guidelines**

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Triphenyl Phosphate 115-86-6	TWA: 3 mg/m ³	TWA: 3 mg/m ³ (vacated) TWA: 3 mg/m ³	TWA: 3 mg/m ³ ; IDLH: 1000 mg/m ³

Appropriate engineering controls**Engineering Controls**

Apply technical measures to comply with the occupational exposure limits.

Individual protection measures, such as personal protective equipment**Eye/Face Protection**

If contact is likely, safety glasses with side shields are recommended. Refer to 29 CFR 1910.133 for eye and face protection regulations.

Skin and Body Protection

Not normally necessary in general use. Refer to 29 CFR 1910.138 for appropriate skin and body protection.

Respiratory Protection

No special requirements under ordinary conditions of use and with adequate ventilation. Refer to 29 CFR 1910.134 for respiratory protection requirements.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Physical state	Liquid	Odor	Characteristic
Appearance	Orange liquid	Odor Threshold	No information available
Color	Orange		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No information available	
Melting point / freezing point	No information available	
Initial boiling point / boiling range	> 316 °C / 600.8 °F	
Flash point	> 210 °C / 410 °F	
Evaporation rate	No information available	
Flammability (Solid, Gas)	No information available	
Flammability Limit in Air		
Upper flammability or explosive limits	0.9	
Lower flammability or explosive limits	7.0	
Vapor Pressure	< 0.013 kPa (0.1 mm Hg) at 20 °C	
Relative vapor density	> 2 at 101 kPa	
Relative Density	0.842	
Water Solubility	Negligible	
Solubility in other solvents	No information available	
Partition Coefficient	> 3.5	
Autoignition temperature	No information available	
Decomposition temperature	No information available	
Kinematic viscosity	32 cSt (32 mm ² /sec) at 40 °C 6 cSt (6 mm ² /sec) at 100°C [ASTM D 445]	
Dynamic viscosity	No information available	
Particle characteristics	No information available	
Explosive Properties	No information available	
Oxidizing Properties	No information available	

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to Avoid

Excessive heat and fire. Ignition sources.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact

Avoid contact with eyes.

Skin Contact Avoid contact with skin.

Inhalation Do not inhale.

Ingestion Do not ingest.

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
1-Decene, tetramer, mixed with 1-decene trimer, hydrogenated 68649-12-7	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rat)	-
Triphenyl Phosphate 115-86-6	= 3500 mg/kg (Rat)	> 10000 mg/kg (Rabbit)	> 200000 mg/m ³ (Rat) 1 h
Diphenyl tolyl phosphate 26444-49-5	= 1420 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	-

Symptoms related to physical, chemical and toxicological characteristics

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested.

Chemical name	ACGIH	IARC	NTP	OSHA
Triphenyl Phosphate 115-86-6	A4 - Not Classifiable as a Human Carcinogen			

Numerical measures of toxicity

The following ATE values have been calculated for the mixture
No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Component Information

Chemical name	Algae/aquatic plants	Fish	Crustacea
Triphenyl Phosphate 115-86-6	EC50: 0.6 - 4mg/L (96h, Pseudokirchneriella subcapitata)	LC50: 0.28 - 0.5mg/L (96h, Oncorhynchus mykiss) LC50: 0.81 - 0.94mg/L (96h, Pimephales promelas) LC50: 0.53 - 0.8mg/L (96h, Pimephales promelas) LC50: 0.47 - 1.04mg/L (96h, Lepomis macrochirus) LC50: =1.2mg/L (96h, Oryzias latipes)	EC50: 0.86 - 1.2mg/L (48h, Daphnia magna)

Persistence/Degradability

Not determined.

Bioaccumulation

There is no data for this product.

Mobility

Chemical name	Partition coefficient
Triphenyl Phosphate 115-86-6	4.63

Other adverse effects

Not determined

13. DISPOSAL CONSIDERATIONS**Disposal methods****Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION**Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

Not regulated

IATA

Not regulated

IMDG

Not regulated

15. REGULATORY INFORMATION**International Inventories**

Chemical name	TSCA	TSCA Inventory Status	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
1-Decene, tetramer, mixed with 1-decene trimer, hydrogenated	X	ACTIVE	X		X	X	X	X	X
Triphenyl Phosphate	X	ACTIVE	X	X	X	X	X	X	X
Diphenyl tolyl phosphate	X	ACTIVE	X	X	X	X	X	X	X

Legend:*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List**EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**ENCS - Japan Existing and New Chemical Substances**IECSC - China Inventory of Existing Chemical Substances**KECL - Korean Existing Chemicals Inventory**PICCS - Philippines Inventory of Chemicals and Chemical Substances**AICS - Australian Inventory of Chemical Substances*

US Federal Regulations**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Triphenyl Phosphate 115-86-6	X	X	X

16. OTHER INFORMATION**NFPA**

Health hazards 0

Flammability 1

Instability 0

Special hazards -

HMIS

Health hazards -

Flammability -

Physical hazards -

Personal protection -

Issue Date: 15-Jun-2026

Revision Date: 16-Jun-2026

Revision Note: New format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet