SAFETY DATA SHEET
PRESSURE LUBE

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

1.1. Product identifier

Product name PRESSURE LUBE

Product number PL500

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

uses Engine & Pump oil.

1.3. Details of the supplier of the safety data sheet

Supplier

FENCO GROUP LTD
TILL BRIDGE LANE
LN1 2SX
01522 787978
01522 515767
01522 787838
enquires@V-TUF.COM

1.4. Emergency telephone number

Emergency telephone (01522) 787978 Monday to Friday 8.00am to 4.30pm.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Not Classified

Classification (67/548/EEC or - 1999/45/EC)

2.2. Label elements

Hazard statements EUH208 Contains U3-thio-1,2:1,3:2,3-tris(u-disulfido-k2S) 1,2,3-tris(dialkydthiocarbamato)-triangulo-trimolybdenum(iv) dialkydthiocarbamate. May produce an allergic reaction.

2.3. Other hazards

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No significant hazards. Material does not meet the criteria for PBT or vPvB in accordance with REACH annex XIII.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC; BASEOIL - U **60-100%**

CAS number: 64742-54-7 EC number: 265-157-1

Classification	Classification (67/548/EEC or 1999/45/EC)
Asp. Tox. 1 - H304	Xn; R65

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC; BASEOIL - U **1-5%**

CAS number: 64742-55-8 EC number: 265-158-7

Classification
Not Classified

LUBRICATING OILS(PETROLEUM), C20-50, HYDROTREATED NEUTRAL OIL-BASED **1-5%**

CAS number: 72623-87-1 EC number: 276-738-4

Classification
Asp. Tox. 1 - H304

DISTILLATES(PETROLEUM) HYDROTREATED HEAVY PARAFFINIC **1-5%**

CAS number: 64742-54-7 EC number: 265-157-1

Classification
Asp. Tox. 1 - H304

LUBRICATING OILS (PETROLEUM) C15-30, HYDROTREATED NEUTRAL OIL-BASED **1-5%**

CAS number: – EC number: 276-737-9

Classification
Asp. Tox. 1 - H304

A MIXTURE OF ISOMERS OF: C7-9-ALKYL 3-(3,5-DI-TRANS-BUTYL-4-HYDROXYPHENYL)PROPIONATE **1-5%**

CAS number: 125643-61-0 EC number: 406-040-9

Classification	Classification (67/548/EEC or 1999/45/EC)
Aquatic Chronic 4 - H413	R53

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Zinc bis[o-(6-methylheptyl)] bis[o-(sec-butyl)] bis(dithiophosphate)	**1-5%**
CAS number: 93819-94-4	EC number: 298-577-9

Classification
Skin Irrit. 2 - H315
Eye Dam. 1 - H318
Aquatic Chronic 2 - H411

Reaction products of Benzeneamine, N-phenyl- with nonene(branched)	**<1%**
CAS number: 36878-20-3	EC number: 253-249-4

Classification
Aquatic Chronic 4 - H413

Classification (67/548/EEC or 1999/45/EC) R53

NON CLASSIFIED COMPONENT	**<1%**
CAS number: –	

Classification
Not Classified

Classification (67/548/EEC or 1999/45/EC)
-

U3-thio-1,2:1,3:2,3-tris(u-disulfido-k2S) 1,2,3-tris(dialkydthiocarbamato)-triangulo-trimolybdenum(iv) dialkydthiocarbamate	**<1%**
CAS number: –	EC number: 457-320-2

Classification
Skin Irrit. 2 - H315
Skin Sens. 1 - H317
Aquatic Chronic 3 - H412

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Composition comments The data shown are in accordance with the latest EC Directives.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information Remove affected person from source of contamination.

Inhalation Remove affected person from source of contamination. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing stops, provide artificial respiration.

Ingestion Get medical attention. Do not induce vomiting.

Skin contact Wash skin thoroughly with soap and water. 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.

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Eye contact Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

General information The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation Vapours may cause headache, fatigue, dizziness and nausea.

Ingestion Harmful: May cause lung damage if swallowed.

Skin contact Prolonged contact may cause redness, irritation and dry skin.

Eye contact Irritation of eyes and mucous membranes.

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

Notes for the doctor If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO2). Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours.

Hazardous combustion products Fire creates: Thermal decomposition or combustion products may include the following substances: Acrid smoke or fumes. Aldehydes, Sulphur oxides, Incomplete combustion products, Carbon monoxide (CO). Carbon dioxide (CO2).

5.3. Advice for firefighters

Protective actions during firefighting Evacuate area. Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Absorb spillage with non-combustible, absorbent material.

6.4. Reference to other sections

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Reference to other sections For personal protection, see Section 8. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Static electricity and formation of sparks must be prevented. Storage tanks and other containers must be earthed.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions The container choice, for example storage vessel, may effect static accumulation and dissipation. Store in closed original container at temperatures between 5°C and 25°C.

Storage class Unspecified storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

Usage description AVOID CONTACT WITH SKIN AND EYES.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

Long-term exposure limit (8-hour TWA): WEL 5 mg/m³ mist
Short-term exposure limit (15-minute): WEL 10 mg/m³ mist

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC; BASEOIL - U

Long-term exposure limit (8-hour TWA): WEL 5.0 mg/m³ 5.0 mg/m³ inhalable fraction, mist
WEL = Workplace Exposure Limit

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC; BASEOIL - U (CAS: 64742-54-7)

DNEL
Workers - Inhalation; : 5.4 mg/m³
Consumer - Dermal; : 1.2 mg/m³

LUBRICATING OILS(PETROLEUM), C20-50, HYDROTREATED NEUTRAL OIL-BASED (CAS: 72623-87-1)

DNEL
Workers - Inhalation; Long term local effects: 5.4 mg/m³
Consumer - Inhalation; Long term local effects: 1.2 mg/m³

Reaction products of Benzeneamine, N-phenyl- with nonene(branched) (CAS: 36878-20-3)

DNEL
Workers - Dermal; Long term systemic effects: 0.62 mg/kg
Workers - Inhalation; Long term systemic effects: 4.37 mg/m³
Consumer - Dermal; Long term systemic effects: 0.31 mg/kg
Consumer - Inhalation; Long term systemic effects: 1.09 mg/m³
Consumer - Oral; Long term systemic effects: 0.31 mg/kg

PNEC
- Fresh water; 0.10 mg/l
- marine water; 0.01 mg/l
- Sediment (Freshwater); 132000 mg/kg
- Sediment (Marinewater); 13200 mg/kg
- Soil; 263000 mg/kg

8.2. Exposure controls

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Protective equipment

Eye/face protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. To protect hands from chemicals, gloves should comply with European Standard EN374.
Other skin and body protection	No skin protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.
Hygiene measures	Remove contaminated clothing and wash the skin thoroughly with soap and water after work. Discard contaminated shoes and clothing. Do not eat, drink or smoke when using this product.
Respiratory protection	No special requirements under ordinary conditions of use and with adequate ventilation. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.
Environmental exposure controls	Comply with applicable enivronmental regulations limiting discharge to air, water and soil. Protect the environment by applying appropriate control measures to prevent or limit emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Viscous liquid.
Colour	Light brown.
Odour	Slight.
Flash point	> 200°C Pensky-Martens closed cup.
Vapour pressure	<0.1 mm Hg @ 20°C
Viscosity	12.4-16.3 cSt @ 100°C

9.2. Other information

Other information	DMSO Extract(mineral oil only), IP-346: < 3% wt.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	See sub sections below.

10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Will not polymerise.

10.4. Conditions to avoid

Conditions to avoid	Excessive heat. High energy sources of ignition.

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10.5. Incompatible materials

Materials to avoid Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products None at ambient temperatures.

SECTION 11: Toxicological information

11.1. Information on toxicological effects Skin corrosion/irritation

Skin corrosion/irritation Prolonged contact may cause redness, irritation and dry skin.

Serious eye damage/irritation

Serious eye damage/irritation May cause mild, short lasting discomfort to the eyes.

Respiratory sensitisation

Respiratory sensitisation Not sensitising.

Skin sensitisation

Skin sensitisation Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro Data lacking.

Carcinogenicity

Carcinogenicity Data lacking.

Reproductive toxicity

Reproductive toxicity - fertility Data lacking.

Specific target organ toxicity - single exposure STOT

- single exposure Data lacking.

Specific target organ toxicity - repeated exposure STOT

- repeated exposure Data lacking.

Aspiration hazard

Aspiration hazard Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

Inhalation High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.

Ingestion Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

Skin contact May cause irritation.

Eye contact Irritating to eyes.

Toxicological information on ingredients.

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC; BASEOIL - U

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	5,100.0
Species	Rat

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ATE oral (mg/kg)	5,100.0
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	2,100.0
Species	Rabbit
ATE dermal (mg/kg)	2,100.0

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC; BASEOIL - U

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	5,000.0
Species	Rat
ATE oral (mg/kg)	5,000.0
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	2,200.0
Species	Rabbit
ATE dermal (mg/kg)	2,200.0

Zinc bis[o-(6-methylheptyl)] bis[o-(sec-butyl)] bis(dithiophosphate)

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	2,600.0
Species	Rat
ATE oral (mg/kg)	2,600.0
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	3,160.0
Species	Rabbit
ATE dermal (mg/kg)	3,160.0

Reaction products of Benzeneamine, N-phenyl- with nonene(branched)

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	5,000.0
Species	Rat
ATE oral (mg/kg)	5,000.0
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	3,000.0

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Species	Rat
ATE dermal (mg/kg)	3,000.0

U3-thio-1,2:1,3:2,3-tris(u-disulfido-k2S) 1,2,3-tris(dialkydthiocarbamato)-triangulo-trimolybdenum(iv) dialkydthiocarbamate

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	2,500.0
Species	Rat
ATE oral (mg/kg)	2,500.0

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	2,500.0
Species	Rat
ATE dermal (mg/kg)	2,500.0

SECTION 12: Ecological information

12.1. Toxicity

Toxicity Material not expected to be harmful to aquatic organisms.

Ecological information on ingredients.

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC; BASEOIL - U

Acute aquatic toxicity

Acute toxicity - fish	LL0, 96 hours: 100 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EL0, 48 hours: 1000-10000 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EL0, 72 hours: 100 mg/l, Pseudokirchneriella subcapitata

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC; BASEOIL - U

Acute aquatic toxicity

Acute toxicity - fish	LL_{50}, 96 hours: >100 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EL50, 48 hours: >100000 mg/l, Daphnia magna
Acute toxicity - aquatic plants	NOELR, 72 hours: >100 mg/l, Pseudokirchneriella subcapitata

Zinc bis[o-(6-methylheptyl)] bis[o-(sec-butyl)] bis(dithiophosphate)

Acute aquatic toxicity

Acute toxicity - fish	LL_{50}, 96 hours: 4.5 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 5.4 mg/l, Daphnia magna

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Acute toxicity - aquatic plants	EC_{80}, 96 hours: 2.1 mg/l, Selenastrum capricornutum
Acute toxicity - microorganisms	EC_{50}, 3 hours: >10000 mg/l, Activated sludge

Reaction products of Benzeneamine, N-phenyl- with nonene(branched) Acute aquatic toxicity

Acute toxicity - fish	LC_{50}, 96 hours: >100 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: >100 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC_{50}, 96 hours: 870 mg/l, Algae
Acute toxicity - microorganisms	IC_{50}, 3 hours: >100 mg/l, Activated sludge

U3-thio-1,2:1,3:2,3-tris(u-disulfido-k2S) 1,2,3-tris(dialkydthiocarbamato)-triangulo-trimolybdenum(iv) dialkydthiocarbamate

Acute aquatic toxicity

Acute toxicity - fish	LL_{50}, 96 hours: 94.8 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EL50, 48 hours: 50 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EL50, 72 hours: 9.62 mg/l, Selenastrum capricornutum
Acute toxicity - microorganisms	IC_{50}, 3 hours: >100 mg/l, Activated sludge

12.2. Persistence and degradability

Persistence and degradability Material- expected to be inherently biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential The product contains potentially bioaccumulating substances.

Ecological information on ingredients.

Reaction products of Benzeneamine, N-phenyl- with nonene(branched)

Partition coefficient	log Pow: 77.6

12.4. Mobility in soil

Mobility Product floats on water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

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13.1. Waste treatment methods

General information Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Empty containers must not be punctured or incinerated because of the risk of an explosion.

Waste class European waste code: 13 02 05

SECTION 14: Transport information

14.1. UN number

Not classified as dangerous goods for transport.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es) Not

applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant No.

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

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

SECTION 15: Regulatory information

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

National regulations EH40/2005 Workplace exposure limits.
Health and Safety at Work etc. Act 1974 (as amended).
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

EU legislation Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Issued by Technical manager

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Revision date	28/10/2019
Revision	1
Supersedes date	19/06/2016
SDS number	20353
Hazard statements in full	H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. H413 May cause long lasting harmful effects to aquatic life. EUH208 Contains U3-thio-1,2:1,3:2,3-tris(u-disulfido-k2S) 1,2,3-tris(dialkydthiocarbamato)-triangulo-trimolybdenum(iv) dialkydthiocarbamate. May produce an allergic reaction.