



SAFETY DATA SHEET

PONSSE GEAR OIL 80W-90 GL-5

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

1.1. Product identifier

Product name	PONSSE GEAR OIL 80W-90 GL-5
Product number	ID 18652
Synonyms; trade names	PONSSE Logger's GEAR OIL 80W-90 GL-5

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

Identified uses	Transmission oil.
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1.3. Details of the supplier of the safety data sheet

Supplier	Ponsse Oyj Ponssentie 22 74200 VIEREMÄ Tel. +358 20 768800
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1.4. Emergency telephone number

National emergency telephone number +358 800 147 111, +358 9 471 977, Poison Information Centre number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

Physical hazards	Not Classified
Health hazards	Not Classified
Environmental hazards	Aquatic Chronic 3 - H412

2.2. Label elements

Hazard statements	EUH208 Contains Di-tert-butyl polysulfide, Amines, C10-14-tert-alkyl. May produce an allergic reaction. H412 Harmful to aquatic life with long lasting effects.
Precautionary statements	P102 Keep out of reach of children. P273 Avoid release to the environment. P501 Dispose of contents/ container in accordance with national regulations.

2.3. Other hazards

Other hazards	This product does not contain any substances classified as PBT or vPvB. This product does not contain substances considered to have endocrine disrupting properties at levels of 0.1% or higher.
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SECTION 3: Composition/information on ingredients

3.2. Mixtures

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Methacrylate copolymer	1 - < 2,5 %
CAS number: —	EC number: 931-551-3
Classification	
Eye Irrit. 2 - H319	
Di-tert-butyl polysulfide	2,5 - < 5 %
CAS number: 68937-96-2	EC number: 273-103-3
Classification	
Skin Sens. 1B - H317 Aquatic Chronic 3 - H412	
C16-18-(even numbered, saturated and unsaturated)-alkylamines	0,1 - < 0.25 %
CAS number: 1213789-63-9	EC number: 627-034-4
M factor (Acute) = 10	M factor (Chronic) = 10
Classification	
Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 STOT SE 3 - H335 STOT RE 2 - H373 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	
Amines, C10-14-tert-alkyl	0,1 - < 0.25 %
CAS number: —	EC number: 701-175-2
M factor (Acute) = 1	M factor (Chronic) = 1
Classification	
Acute Tox. 4 - H302 Acute Tox. 3 - H311 Acute Tox. 2 - H330 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1A - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	

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

Other information A petroleum product., DMSO < 3% (IP 346).

SECTION 4: First aid measures

4.1. Description of first aid measures

General information Keep affected person under observation.

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Inhalation	Remove person to fresh air and keep comfortable for breathing. Place unconscious person on their side in the recovery position and ensure breathing can take place. Get medical attention if symptoms are severe or persist.
Ingestion	Maintain an open airway. Rinse mouth. Do not induce vomiting unless under the direction of medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms are severe or persist.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.
Eye contact	Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists after washing.

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

General information	The product contains a small amount of sensitising substance. May cause an allergic skin reaction.
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4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Water spray, foam, dry powder or carbon dioxide.
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	None known.
Hazardous combustion products	None known.

5.3. Advice for firefighters

Protective actions during firefighting	Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Contain and collect extinguishing water. Avoid discharge into drains.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear suitable protective clothing as protection against splashing or contamination.
For emergency responders	Keep unnecessary and unprotected personnel away from the spillage.

6.2. Environmental precautions

Environmental precautions	Stop leak if safe to do so. Avoid the spillage or runoff entering drains, sewers or watercourses. Contain spillage with sand, earth or other suitable non-combustible material. Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air).
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Absorb spillage with sand or other inert absorbent. Place waste in labelled, sealed containers. Dispose of waste via a licensed waste disposal contractor.
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6.4. Reference to other sections

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Reference to other sections For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid inhalation of vapours and spray/mists. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. All handling should only take place in well-ventilated areas. Take precautionary measures against static discharges. For personal protection, see Section 8.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep containers upright. Keep away from food, drink and animal feeding stuffs.

7.3. Specific end use(s)

Specific end use(s) Not known.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

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8.2. Exposure controls

Appropriate engineering controls All handling should only take place in well-ventilated areas. Avoid the formation of mists. Provide eyewash station and safety shower.

Eye/face protection Tight-fitting safety glasses.

Hand protection Wear protective gloves. Protective gloves according to standard EN 374. It is recommended that gloves are made of the following material: Nitrile rubber. Neoprene. The selected gloves should have a breakthrough time of at least 4 hours. Protective gloves should have a minimum thickness of 0,35 mm. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected.

Other skin and body protection Wear suitable protective clothing as protection against splashing or contamination.

Respiratory protection No specific recommendations.

Environmental exposure controls Store in a demarcated bunded area to prevent release to drains and/or watercourses.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Liquid.

Colour Tan.

Odour Petroleum.

Odour threshold -

pH -

Melting point < -27°C Pour point

Initial boiling point and range -

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Flash point	216°C Pensky-Martens closed cup.
Flammability (solid, gas)	-
Upper/lower flammability or explosive limits	-
Vapour pressure	-
Vapour density	-
Relative density	0,88 @ 15,6°C
Solubility(ies)	Insoluble in water.
Partition coefficient	-
Auto-ignition temperature	-
Decomposition Temperature	-
Viscosity	Kinematic viscosity ~ 132,8 mm ² /s @ 40°C
Explosive properties	-
Oxidising properties	-
9.2. Other information	
Other information	Not known.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

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 No potentially hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

Materials to avoid Oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects Based on available data the classification criteria are not met.

Acute toxicity - dermal

Notes (dermal LD₅₀) ATE > 2000 mg/kg Calculation method.

Acute toxicity - inhalation

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Notes (inhalation LC₅₀)	ATE > 20 mg/l (4 h) Vapour Calculation method.
<u>Skin corrosion/irritation</u>	
Skin corrosion/irritation	Based on available data the classification criteria are not met.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Based on available data the classification criteria are not met.
<u>Respiratory sensitisation</u>	
Respiratory sensitisation	Based on available data the classification criteria are not met.
<u>Skin sensitisation</u>	
Skin sensitisation	The product contains a small amount of sensitising substance. May cause an allergic skin reaction. Based on available data the classification criteria are not met. Supplier's information.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vivo	Based on available data the classification criteria are not met.
<u>Carcinogenicity</u>	
Carcinogenicity	Based on available data the classification criteria are not met.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met.
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	Based on available data the classification criteria are not met.
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	Based on available data the classification criteria are not met.
<u>Aspiration hazard</u>	
Aspiration hazard	Based on available data the classification criteria are not met.
General information	This product does not contain substances considered to have endocrine disrupting properties at levels of 0.1% or higher.

Toxicological information on ingredients.

Di-tert-butyl polysulfide

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ >2000 mg/kg, Oral, Rat (OECD TG 401)

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ >2000 mg/kg, Dermal, Rat (OECD TG 402)

C16-18-(even numbered, saturated and unsaturated)-alkylamines

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 1,689.0

Species Rat

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Notes (oral LD₅₀)	(OECD TG 401) Read-across data.
ATE oral (mg/kg)	1,689.0
<u>Acute toxicity - dermal</u>	
Notes (dermal LD₅₀)	LD ₅₀ > 2000 mg/kg, Dermal, Rat (OECD TG 402) Read-across data.

Amines, C10-14-tert-alkyl

<u>Acute toxicity - oral</u>	
Notes (oral LD₅₀)	LD ₅₀ 612 mg/kg, Oral, Rat (OECD TG 401)
ATE oral (mg/kg)	500.0
<u>Acute toxicity - dermal</u>	
Notes (dermal LD₅₀)	LD ₅₀ 251 mg/kg, Dermal, Rat (OECD TG 402)
ATE dermal (mg/kg)	300.0
<u>Acute toxicity - inhalation</u>	
ATE inhalation (vapours mg/l)	0.5

SECTION 12: Ecological information**12.1. Toxicity**

Toxicity	Harmful to aquatic life with long lasting effects. The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.
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Ecological information on ingredients.**C16-18-(even numbered, saturated and unsaturated)-alkylamines**

<u>Acute aquatic toxicity</u>	
LE(C)₅₀	0.01 < L(E)C50 ≤ 0.1
M factor (Acute)	10
Acute toxicity - fish	LC ₅₀ , 96 hours: 0,06 mg/l, Fish Read-across data.
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 0,98 mg/l, Daphnia magna (OECD TG 202) Read-across data.
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours: 0,083 mg/l, Desmodesmus subspicatus (OECD TG 201) Read-across data.
<u>Chronic aquatic toxicity</u>	
M factor (Chronic)	10
Chronic toxicity - aquatic invertebrates	LOEC, 21 days: 0,032 mg/l, Daphnia magna NOEC, 21 days: 0,013 mg/l, Daphnia magna

Amines, C10-14-tert-alkyl

PONSSE GEAR OIL 80W-90 GL-5**Acute aquatic toxicity**LE(C)₅₀ 0.1 < L(E)C₅₀ ≤ 1

M factor (Acute) 1

Chronic aquatic toxicity

M factor (Chronic) 1

12.2. Persistence and degradability**Persistence and degradability** No data available.**Biodegradation** No data available.**Ecological information on ingredients.****Di-tert-butyl polysulfide****Biodegradation** 13 %, 28 d
(OECD TG 301B)**C16-18-(even numbered, saturated and unsaturated)-alkylamines****Biodegradation** 66 %, 28 d
Read-across data.**12.3. Bioaccumulative potential****Bioaccumulative potential** No data available on bioaccumulation.**Partition coefficient** -**Ecological information on ingredients.****C16-18-(even numbered, saturated and unsaturated)-alkylamines****Bioaccumulative potential** BCF: 500 mg/l, Fish**Partition coefficient** log Pow: ~ 6 - 8**Amines, C10-14-tert-alkyl****Partition coefficient** log Pow: 2,9 @ 20 °C**12.4. Mobility in soil****Mobility** No data available.**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** Dangerous for the environment if discharged into watercourses.**Endocrine-disrupting properties** This product does not contain substances considered to have endocrine disrupting properties at levels of 0.1% or higher.**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

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Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Do not discharge into drains or watercourses or onto the ground. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Do not reuse empty containers.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

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UN No. (ADR/RID) -

14.2. UN proper shipping name

Proper shipping name (ADR/RID) -

14.3. Transport hazard class(es)

ADR/RID class -

14.4. Packing group

ADR/RID packing group -

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

Not applicable.

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 applicable.

SECTION 15: Regulatory information

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

National regulations EU regulatory references for the safety data sheet:
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) (as amended).
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 data available.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet ATE = Acute Toxicity Estimate
BCF = Bio-Concentration Factor
WAF = Water Accommodated Fraction

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Key literature references and sources for data	The manufacturer's SDS. 9.2.2023
Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.
Revision date	30/06/2023
Supersedes date	29/06/2021
SDS number	5672
Hazard statements in full	H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H311 Toxic in contact with skin. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H330 Fatal if inhaled. H335 May cause respiratory irritation. H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. EUH208 Contains Di-tert-butyl polysulfide, Amines, C10-14-tert-alkyl. May produce an allergic reaction.