

**SAFETY DATA SHEET**

(INFORMATION FORM FOR CHEMICALS DATA)

(\*) concerns only chemical notification

(\*\*) either 3.1 or 3.2 must be filled

<b>SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING</b>	
<b>1.1</b>	<b>Product identifier</b>
	Trade name / Substance name PONSSE Logger's BIO HYDRAULIC OIL 46
	Company product code 0075049200, 007504920
	REACH Registration number -
<b>1.2</b>	<b>Relevant identified uses of the substance or mixture and uses advised against</b>
	The uses of the chemical Hydraulic oil, synthetic
<b>1.3</b>	<b>Details of the supplier of the Safety Data Sheet</b>
	Supplier (manufacturer, importer, only representative, downstream user, distributor) Responsible for placing a chemical on the market in Finland (*)
	Ponsse Oyj
	Street address Ponssentie 22
	Postcode and post office 74200 VIEREMÄ
	Post-office box
	Postcode and post office 74200 VIEREMÄ
	Telephone number +358 20 768800
	E-mail address matti.tenhunen@ponsse.com
	Finnish Business ID (Y code) (*) 0934209-0
<b>1.4</b>	<b>Emergency telephone number</b>
	+358-9-471 977, +358-9-4711, Poison Information Centre/HUS, P.O.B 340 (Tukholmankatu 17) 00029 HUS (Helsinki, Finland)
<b>SECTION 2: HAZARDS IDENTIFICATION</b>	
<b>2.1</b>	<b>Classification of the substance or mixture</b>
	1272/2008 (CLP): Product is not classified hazardous. 67/548/EEC – 1999/45/EC: Product is not classified hazardous.
<b>2.2</b>	<b>Label elements</b>
	-
<b>2.3</b>	<b>Other hazards</b>
	No information available.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS				
3.1 Substances (**)				
Main constituent / constituent	CAS-, EC- or index number		Concentration	
3.2 Mixtures (**)				
Substance name	CAS-, EC- or index number	REACH Registration No.	Concentration	Classification
-	-	-	-	-
SECTION 4: FIRST AID MEASURES				
4.1 Description of first aid measures				
<p><b>Inhalation:</b> If the person exposed to oil mist or vapour has fatigue or nausea, he shall be moved into fresh air. If symptoms persist, call a physician.</p> <p><b>Skin contact:</b> Remove contaminated clothing. Wash the skin with plenty of water and soap. If skin irritation persists, call a physician.</p> <p><b>Eye contact:</b> Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician for severe cases.</p> <p><b>Ingestion:</b> DO NOT INDUCE VOMITING. Rinse mouth with water. Call a physician immediately.</p>				
4.2 Most important symptoms and effects, both acute and delayed				
no data available				
4.3 Indication of any immediate medical attention and special treatment needed				
Symptomatic treatment.				
SECTION 5: FIREFIGHTING MEASURES				
5.1 Extinguishing media				
<p><b>Suitable extinguishing media:</b> Foam, dry powder, carbon dioxide.</p> <p><b>Extinguishing media which must not be used for safety reasons:</b> Do NOT use water jet.</p>				
5.2 Special hazards arising from the substance or mixture				
Burning produces obnoxious and toxic fumes.				
5.3 Advice for firefighters				
Self-contained breathing apparatus and full protective clothing.				
5.4 Specific methods				
Cool product containers and tanks near the fire with water spray from a sufficiently safe distance.				
SECTION 6: ACCIDENTAL RELEASE MEASURES				
6.1 Personal precautions, protective equipment and emergency procedures				
Persons not wearing appropriate protective equipment should not enter the spill area before cleaning has been completed.				
6.2 Environmental precautions				
Restrict spreading of product into sewer, the ground, surface and ground water by embanking with sand, soil or other suitable absorptive material. Collect liquid before it spreads into drains, the ground and waters. In case of spill, immediately contact local authorities.				

<b>6.3</b>	<b>Methods and material for containment and cleaning up</b>
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Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Product waste should be disposed in accordance with item 13.

<b>6.4</b>	<b>Reference to other sections</b>
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For personal protection see section 8. Product waste should be disposed in accordance with section 13.

<b>SECTION 7: HANDLING AND STORAGE</b>	
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<b>7.1</b>	<b>Precautions for safe handling</b>
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Wear safety shoes while handling containers. Wear protective equipment when needed. Provide sufficient ventilation when handling the product.

<b>7.2</b>	<b>Conditions for safe storage, including any incompatibilities</b>
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Keep tightly closed in a dry, cool and well-ventilated place. Keep at temperatures between -10 and 40°C.

<b>7.3</b>	<b>Specific end use(s)</b>
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None known.

<b>SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION</b>	
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<b>8.1</b>	<b>Control parameters</b>
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**National occupational exposure limit values**

No limit values

**Other information on limit values**

The occupational exposure monitoring method: Oil mist: NIOSH Method 5026, SFS-EN 689

**DNEL**

No information available.

**PNEC**

No information available.

<b>8.2</b>	<b>Exposure controls</b>
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**Appropriate engineering controls**

Provide efficient ventilation when handling the product. Ensure that eyewash stations and safety showers are close to the workstation location. Always have on hand a first-aid kit, together with proper instructions.

**Eye / face protection**

Safety goggles if there is a risk of splashing.

**Skin protection**

Protective clothing when needed.

**Hand protection**

Protective gloves (e.g. of nitrile rubber). Change protective gloves regularly.

**Respiratory protection**

Usually not needed.

**Thermal hazards**

No information available.

**Environmental exposure controls**

Should not be released into the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES	
9.1 Information on physical and chemical properties	
Appearance	Liquid, yellow
Odour	mild
Odour threshold	-
pH	-
Melting point/freezing point	-
Initial boiling point and boiling range	-
Flash point	~200 °C
Evaporation rate	-
Flammability (solid, gas)	-
Upper/lower flammability or explosive limits	-
Vapour pressure	-
Vapour density	-
Relative density	0,92 @20 °C
Solubility(ies)	<b>Water solubility:</b> Insoluble <b>Fat solubility:</b> -
Partition coefficient: n-octanol/water	-
Auto-ignition temperature	-
Decomposition temperature	-
Viscosity	Approx. 46 mm <sup>2</sup> /s @40 °C, varies according to the grade.
Explosive properties	-
Oxidising properties	-

9.2 Other information
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Pour point: -42 °C

SECTION 10: STABILITY AND REACTIVITY
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10.1 Reactivity
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Hazardous polymerisation does not occur.

10.2 Chemical stability
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Stable under normal conditions.

10.3 Possibility of hazardous reactions
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No hazards to be specially mentioned. Hazardous polymerisation does not occur.

10.4 Conditions to avoid
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High temperatures (degrades above 100 °C).

**10.5 Incompatible materials**

Strong oxidizing agents.

**10.6 Hazardous decomposition products**

No data

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects****Acute toxicity**

No data.

**Skin corrosion/irritation**

According to the classification criteria of the European Union, the product is not considered as being a skin irritant.  
According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

**Serious eye damage/irritation**

Not classified.

**Respiratory or skin sensitisation**

Non-sensitizing.

**Germ cell mutagenicity**

Not classified.

**Carcinogenicity**

No data.

**Reproductive toxicity**

Not classified.

**STOT-single exposure**

Not classified.

**STOT-repeated exposure**

Not classified.

**Aspiration hazard**

No aspiration toxicity classification

**Other information**

Used oils may contain accumulated contaminants dangerous to health and the environment.  
Information given is based on data on the components and the toxicology of similar products.

**SECTION 12: ECOLOGICAL INFORMATION****12.1 Toxicity****Aquatic toxicity:** no data available**Toxicity to other organisms:** no data available

<b>12.2</b>	<b>Persistence and degradability</b>
	<b>Biodegradation:</b> no data available <b>Chemical degradation:</b> no data
<b>12.3</b>	<b>Bioaccumulative potential</b>
	No data.
<b>12.4</b>	<b>Mobility in soil</b>
	It is insoluble in water.
<b>12.5</b>	<b>Results of PBT and vPvB assessment</b>
	No data available.
<b>12.6</b>	<b>Other adverse effects</b>
	Information given is based on data on the components and the ecotoxicology of similar products.
<b>SECTION 13: DISPOSAL CONSIDERATIONS</b>	
<b>13.1</b>	<b>Waste treatment methods</b>
	Product waste should be treated according to national regulations and local authorities' advice. EWC: 130112 - readily biodegradable hydraulic oils
	<b>Waste from residues / unused products:</b> Empty remaining contents. Empty containers should be taken to an approved waste disposal facility for recycling or disposal.
<b>SECTION 14: TRANSPORT INFORMATION</b>	
<b>14.1</b>	<b>UN number</b>
	Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR
<b>14.2</b>	<b>UN proper shipping name</b>
	-
<b>14.3</b>	<b>Transport hazard class(es)</b>
	-
<b>14.4</b>	<b>Packing group</b>
	-
<b>14.5</b>	<b>Environmental hazards</b>
	-
<b>14.6</b>	<b>Special precautions for user</b>
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<b>14.7</b>	<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>
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<b>SECTION 15: REGULATORY INFORMATION</b>	
<b>15.1</b>	<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>
	This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Date: 17.11.2014

Former date: -



Trade name / Substance name: **PONSSE Logger's BIO HYDRAULIC OIL 46**

EN

**15.2 Chemical safety assessment**

No data available

**SECTION 16: OTHER INFORMATION**

**Indication of changes**

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**Abbreviations and acronyms**

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**Key literature references and sources for data**

Producer's SDS 1.6.2012

Regulations

**Used method in evaluating classification**

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**List of relevant R-and S-phrases or/and safety and precautionary statements**

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**Training advice for workers**

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**Recommended restrictions**

**Further information**

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