

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 12/11/2015 Revision date: 04/10/2018 Supersedes version of: 12/11/2015 Version: 1.1

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

### 1.1. Product identifier

Product form : Mixture

 Name
 : Outboard Gear Oil 90EP

 UFI
 : D4A6-H9UK-610N-Y8WF

Product code : 45001 Article number : 450019

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

#### 1.2.1. Relevant identified uses

Industrial/Professional use spec : Professional use.

Function or use category : other engine, gear and lubricating oils

#### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

BARDAHL NL - OCD NEDERLAND BV

Maxwellstraat 41 3316 GP Dordrecht

Nederland

T 0031 78 651 2322 - F 0031 78 617 4848 mjkooijman@bardahl.nl - www.bardahl.nl

### 1.4. Emergency telephone number

Emergency number : +31 (0) 6 54924171

During office hours: 8.30 t/m 17:00 h

Country	Official advisory body	Address	Emergency number	Comment
	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	0870 243 2241	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA	0344 892 0111	Only for healthcare professionals

### **SECTION 2: Hazards identification**

### 2.1. Classification of the substance or mixture

### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Serious eye damage/eye irritation, Category 2 H319 Skin sensitisation, Category 1 H317

Full text of H- and EUH-statements: see section 16

#### Adverse physicochemical, human health and environmental effects

No additional information available

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#### 2.2. Label elements

### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS07

Signal word (CLP) : Warning

Contains : Polysulfides, di-tert-Bu; Reaction products of 4-methyl-2-pentanol and difosforpentasulfide,

propoxylated, esterified with diphosphorus pentaoxide and with the addition of salt, by

means of amines, C12-14-tert-alkyl. : H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

Precautionary statements (CLP) : P501 - Dispose of contents/container in accordance with local regulations.

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P280 - Wear eye protection, protective gloves, face protection.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P102 - Keep out of reach of children.

P101 - If medical advice is needed, have product container or label at hand.

### 2.3. Other hazards

Hazard statements (CLP)

PBT: not relevant - no registration required

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

### **SECTION 3: Composition/information on ingredients**

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Polysulfides, di-tert-Bu	CAS-No.: 68937-96-2 EC-No.: 273-103-3 REACH-no: 01-2119540515- 43	4 – 4.5	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 3, H412
Mineral oil	CAS-No.: 8042-47-5 EC-No.: 232-455-8 REACH-no: 01-2119487078- 27	2.5 – 3	Asp. Tox. 1, H304
Reaction products of 4-methyl-2-pentanol and difosforpentasulfide, propoxylated, esterified with diphosphorus pentaoxide and with the addition of salt, by means of amines, C12-14-tert-alkyl.	EC-No.: 931-384-6 REACH-no: 01-2119493620- 38-0002	1.5 – 2	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 2, H411
O,O,O-triphenyl phosphorotioate	EC-No.: 209-909-9	0.4 – 0.45	Repr. 2, H361f Aquatic Chronic 4, H413

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Specific concentration limits:		
Name	Product identifier	Specific concentration limits (%)
Reaction products of 4-methyl-2-pentanol and difosforpentasulfide, propoxylated, esterified with diphosphorus pentaoxide and with the addition of salt, by means of amines, C12-14-tert-alkyl.	EC-No.: 931-384-6 REACH-no: 01-2119493620- 38-0002	(0 ≤ C < 10) Eye Irrit. 2, H319 (9.39 ≤ C < 100) Skin Sens. 1, H317 (50 ≤ C < 100) Eye Dam. 1, H318

Full text of H- and EUH-statements: see section 16

### **SECTION 4: First aid measures**

### 4.1. Description of first aid measures

First-aid measures after inhalation : Get immediate medical advice/attention. Allow affected person to breathe fresh air. If not breathing, give artificial respiration.

First-aid measures after skin contact : Take off contaminated clothing. Wash skin thoroughly with mild soap and water. Get

medical advice/attention.

First-aid measures after eye contact : In case of contact, immediately flush eye with plenty of water for at least 30 minutes. IF IN

EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

First-aid measures after ingestion : Drink plenty of water. Do NOT induce vomiting. Get medical advice/attention.

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

Symptoms/effects : Refer to section 11.

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

No additional information available

### **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide. Foam. Powder. Water spray.

Unsuitable extinguishing media : None, to our knowledge.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Do not breathe gas, fumes, vapour or spray.

### 5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Prevent fire fighting water from

entering the environment.

Protection during firefighting : Wear suitable protective clothing. Standard EN 469 - Protective clothing for firefighters.

Standard - EN 659: Protective gloves for firefighters. EN 137 - Self-contained open-circuit

compressed air breathing apparatus with full face mask. Boots.

### **SECTION 6: Accidental release measures**

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Stop leak without risks if possible.

6.1.1. For non-emergency personnel

Protective equipment : Wear suitable protective clothing and gloves.

6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing and gloves.

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### **6.2. Environmental precautions**

Prevent entry to sewers and public waters.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Collect spillage. Soak up with inert absorbent material (for example sand, sawdust, a

universal binder, silica gel). Use suitable disposal containers.

Other information : Ventilate area.

### 6.4. Reference to other sections

See Section 8. See Heading 13.

### **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

Precautions for safe handling : Do not eat, drink or smoke when using this product. Take off immediately all contaminated

clothing.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep in original containers. Store in a well-ventilated place.

Incompatible materials : Direct sunlight.

### 7.3. Specific end use(s)

No additional information available

### **SECTION 8: Exposure controls/personal protection**

### 8.1. Control parameters

### 8.1.1 National occupational exposure and biological limit values

No additional information available

### 8.1.2. Recommended monitoring procedures

No additional information available

### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

No additional information available

#### 8.2.2. Personal protection equipment

### Personal protective equipment symbol(s):



### 8.2.2.1. Eye and face protection

### Eye protection:

Use eye protection according to EN 166, designed to protect against liquid splashes.

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### 8.2.2.2. Skin protection

#### Skin and body protection:

Wear suitable protective clothing. Wear long sleeves. Wash with plenty of water/...

#### Hand protection:

Wear suitable gloves tested to EN374. Selection of the glove material on consideration of the penetration times, premeatiegraden and degradation. Wear suitable gloves resistant to chemical penetration

#### 8.2.2.3. Respiratory protection

### Respiratory protection:

Type A1 / EN 14387. EN 137 - Self-contained open-circuit compressed air breathing apparatus with full face mask. EN 138

#### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

#### Other information:

Good ventilation of the workplace required. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

### **SECTION 9: Physical and chemical properties**

### 9.1. Information on basic physical and chemical properties

Physical state Liquid Colour : Yellow. Odour : characteristic. Odour threshold : Not available Melting point : Not available Freezing point : Not available Boiling point : Not available Flammability : Not available Lower explosion limit : Not available Upper explosion limit : Not available : 147 °C Flash point : Not available Auto-ignition temperature : Not available Decomposition temperature рΗ : Not available

Viscosity, kinematic : 148.12 mm²/s (40°C) - 15.05 cSt (100°C)

Solubility : Insoluble. Partition coefficient n-octanol/water (Log Kow) : Not available Vapour pressure : Not available Vapour pressure at 50°C : Not available Density : 0.9 kg/l Relative density : Not available Relative vapour density at 20°C : Not available Particle characteristics : Not applicable

### 9.2. Other information

### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

### **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

None under normal conditions.

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### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under normal conditions.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

No additional information available

Mineral oil (8042-47-5)

## **SECTION 11: Toxicological information**

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

Acute toxicity (oral) : Not classified Acute toxicity (dermal) : Not classified Acute toxicity (inhalation) : Not classified

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LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
Skin corrosion/irritation :	Not classified
Serious eye damage/irritation :	Irritating to eyes

Respiratory or skin sensitisation : Causes sensitisation. Dermatitis. May cause skin dryness or cracking.

Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

<b>Outboard Gea</b>	r Oil 90EP
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Viscosity, kinematic 148.12 mm²/s (40°C) - 15.05 cSt (100°C)

#### 11.2. Information on other hazards

No additional information available

### **SECTION 12: Ecological information**

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term : Not classified

acute)

Hazardous to the aquatic environment, long-term : Not classified

(chronic)

Mineral oil (8042-47-5)		
LC50 - Fish [1]	> 100 mg/l 4d - Pimephales promelas	
EC50 - Crustacea [1]	> 10000 mg/l	

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Mineral oil (8042-47-5)	
EC50 - Crustacea [2]	> 10 mg/l 21d
EC50 72h - Algae [1]	> 100 mg/l 3d - Chlorophyta
NOEC (chronic)	> 10 mg/l

### 12.2. Persistence and degradability

Reaction products of 4-methyl-2-pentanol and difosforpentasulfide, propoxylated, esterified with diphosphorus pentaoxide and with the addition of salt, by means of amines, C12-14-tert-alkyl.		
Biodegradation	7.4 % Sturm (28d)	
Mineral oil (8042-47-5)		
Biodegradation 31 % 28d - OECD TG 301 B		

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

#### **Outboard Gear Oil 90EP**

PBT: not relevant - no registration required

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available

## **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations

: Packaging that cannot be reused after cleaning must be disposed of or recycled in accordance with federal, national and local regulations. Dispose of this material and its container to hazardous or special waste collection point.

Additional information

: Recycle after cleaning.

### **SECTION 14: Transport information**

In accordance with / / ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
Not regulated for transport				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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ADR	IMDG	IATA	ADN	RID
14.3. Transport hazard o	class(es)			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental haz	ards			
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary informatio	n available			

### 14.6. Special precautions for user

### **Overland transport**

No data available

### Transport by sea

No data available

#### Air transport

No data available

### Inland waterway transport

No data available

#### Rail transport

No data available

### 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

### 15.1.1. EU-Regulations

### **REACH Annex XVII (Restriction List)**

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

#### **REACH Annex XIV (Authorisation List)**

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

### **REACH Candidate List (SVHC)**

Contains no substance(s) listed on the REACH Candidate List

### **PIC Regulation (Prior Informed Consent)**

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

### **POP Regulation (Persistent Organic Pollutants)**

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

## **Explosives Precursors Regulation (2019/1148)**

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

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### **Drug Precursors Regulation (273/2004)**

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No

## **SECTION 16: Other information**

Abbreviations and acronyms:		
	Abbreviations and acronyms:	
	RID: Regulations Concerning the International Transport of Dangerous Goods by Rail	
	ICAO: International Civil Aviation Organization	
	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road	
	IMDG: International Maritime Code for Dangerous Goods	
	IATA: International Air Transport Association	
	GHS: Globally Harmonized System of Classification and labelling of Chemicals	
	EINECS: European Inventory of Existing Commercial Chemical Substances	
	ELINCS: European List of Notified Chemical Substances	
	CAS: Chemical Abstracts Service (division of the American Chemical Society)	
	VOC: Volatile Organic Compounds (USA, EU)	
	LC50: Lethal concentration, 50 percent	
	LD50: Lethal dose, 50 percent	

Full text of H- and EUI	H-statements:
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Aquatic Chronic 4	Hazardous to the aquatic environment – Chronic Hazard, Category 4
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H302	Harmful if swallowed.
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.
H319	Causes serious eye irritation.
H361f	Suspected of damaging fertility.
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.
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2

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Full text of H- and EUH-statements:	
Skin Sens. 1	Skin sensitisation, Category 1

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.