



Nautic Motor Oil 25W40 Outboard

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Date of issue: 05/06/2015 Revision date: 04/10/2018 Supersedes: 31/08/2015 Version: 2.3

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

1.1. Product identifier

Product form : Mixture
Name : Nautic Motor Oil 25W40 Outboard
Product code : 483
Article number : 48300

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

1.2.1. Relevant identified uses

Function or use category : Lubricants and additives

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
rjjonker@bardahl.nl - www.bardahl.nl

1.4. Emergency telephone number

Emergency number : +31 (0) 6 2908 2010
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 Birmingham	0344 892 0111	
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA Belfast	0344 892 0111	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] Mixtures/Substances: SDS EU 2015: According to Regulation (EU) 2015/830 (REACH Annex II)

Serious eye damage/eye irritation, Category 2 H319

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) :

Warning

Hazard statements (CLP) :

H319 - Causes serious eye irritation.

EUH-statements :

EUH210 - Safety data sheet available on request.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

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3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Distillates (petroleum), solvent-dewaxed heavy paraffinic	(CAS-No.) 64742-65-0 (EC-No.) 265-169-7 (REACH-no) 01-2119471299-27	1 - 2.5	Asp. Tox. 1, H304
Zinc Bis [O-(6-methylheptyl)] bis ;O-(sec-butyl)] bis (dithiophosphate)	(CAS-No.) 93819-94-4 (EC-No.) 298-577-9 (REACH-no) 01-2119543726-33	1 - 2.5	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411
Bis(nonylphenyl)amine	(CAS-No.) 36878-20-3 (EC-No.) 253-249-4 (REACH-no) 01-2119488911-28	1 - 2.5	Aquatic Chronic 4, H413

Specific concentration limits:

Name	Product identifier	Specific concentration limits
Zinc Bis [O-(6-methylheptyl)] bis ;O-(sec-butyl)] bis (dithiophosphate)	(CAS-No.) 93819-94-4 (EC-No.) 298-577-9 (REACH-no) 01-2119543726-33	(6.25 =<C < 100) Skin Irrit. 2, H315 (10 =<C < 12.5) Eye Irrit. 2, H319 (12.5 =<C < 100) Eye Dam. 1, H318

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: No special measures required.
First-aid measures after inhalation	: Assure fresh air breathing. Call a poison center or a doctor if you feel unwell.
First-aid measures after skin contact	: No irritant effect.
First-aid measures after eye contact	: Immediately rinse with water for a prolonged period while holding the eyelids wide open.
First-aid measures after ingestion	: Do NOT induce vomiting. Get immediate medical advice/attention.

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

No additional information available

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

If swallowed or in case of vomiting, danger of entering the lungs.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Carbon dioxide. Dry chemical. Foam. Water.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : At high temperature may liberate toxic gases.

5.3. Advice for firefighters

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

Protective equipment : Wear proper protective equipment.

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 : Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel). Take up large spills with pump or vacuum.

6.4. Reference to other sections

No dangerous substances are released. See Headings 7 and 8. See Heading 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Use adequate ventilation to keep oil mist below applicable standard.

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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a dry, cool place. Keep container tightly closed.
Packaging materials : Keep only in original container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Personal protective equipment:

Gloves.

Hand protection:

Wear suitable gloves tested to EN374. Gloves material: Nitrile. PVC gloves. neoprene/butyl rubber. Refer to manufacturer's information.
Penetration time of glove material: ≥ 240 min

Eye protection:

Eye protection should only be necessary where liquid could be splashed or sprayed

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Not required

Personal protective equipment symbol(s):



Other information:

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: brown.
Odour	: characteristic.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 110 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 0.889 g/cm ³ (20°C)
Solubility	: Practically not miscible. Organic solvent:0.0%
Log Pow	: No data available
Viscosity, kinematic	: 152 mm ² /s (ASTM D445)
Viscosity, dynamic	: No data available
Explosive properties	: Product is not explosive.

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Oxidising properties : No data available

Explosive limits : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

To avoid thermal decomposition, do not overheat.

10.3. Possibility of hazardous reactions

Strong oxidizers.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

Acute toxicity (dermal) : Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

Acute toxicity (inhalation) : Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 inhalation rat (mg/l)	> 5 mg/l/4h

Zinc Bis [O-(6-methylheptyl)] bis ;O-(sec-butyl)] bis (dithiophosphate) (93819-94-4)

LD50 oral rat	2600 mg/kg
LD50 dermal rat	> 3160 mg/kg (OECD 402)

Bis(nonylphenyl)amine (36878-20-3)

LD50 oral rat	> 5000 mg/kg OECD 401
LD50 dermal rat	> 2000 mg/kg OECD 402

Skin corrosion/irritation : No irritant effect

Serious eye damage/irritation : No irritant effect

Respiratory or skin sensitisation : No sensitisation responses were observed

Germ cell mutagenicity : Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

Carcinogenicity : This product contains mineral oils which are considered to be severely refined and not considered. Carcinogenic under IARC It was demonstrated by the IP 346 test all oils in this product contain less than 3% extractables.

Reproductive toxicity : Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

STOT-single exposure : Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

STOT-repeated exposure : Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

Aspiration hazard : Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

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Viscosity, kinematic	152 mm ² /s (ASTM D445)
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Other information : The product is not subject to classification. According to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product on the basis of our experience and the information provided to us will not cause adverse health effects.

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SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity : Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008
Chronic aquatic toxicity : Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

Zinc Bis [O-(6-methylheptyl)] bis ;O-(sec-butyl)] bis (dithiophosphate) (93819-94-4)

LC50 fish 1	4.5 mg/l
EC50 Daphnia 1	5.4 mg/l
EC50 other aquatic organisms 1	2.1 mg/l

Bis(nonylphenyl)amine (36878-20-3)

LC50 fish 1	> 100 mg/l OECD 203 (Danio rerio)
EC50 Daphnia 1	> 100 mg/l (Daphnia magna)
EC50 72h algae (1)	100 mg/l OECD 201 (Desmodesmus subspicatus)

12.2. Persistence and degradability

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Persistence and degradability	Almost not biodegradable.
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Zinc Bis [O-(6-methylheptyl)] bis ;O-(sec-butyl)] bis (dithiophosphate) (93819-94-4)

Biodegradation	1.5 % (OECD 301B 28d)
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Bis(nonylphenyl)amine (36878-20-3)

Biodegradation	1 % @ 28d
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12.3. Bioaccumulative potential

Zinc Bis [O-(6-methylheptyl)] bis ;O-(sec-butyl)] bis (dithiophosphate) (93819-94-4)

Log Pow	0.9 @ 23°C
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Bis(nonylphenyl)amine (36878-20-3)

Log Pow	> 7.6
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12.4. Mobility in soil

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Ecology - soil	Prevent entry to sewers and public waters.
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12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
European List of Waste (LoW) code : 13 02 05* - mineral-based non-chlorinated engine, gear and lubricating oils

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
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
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
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 information 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. Transport in bulk according to Annex II of Marpol and the IBC Code

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

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:	
28. Substances which are classified as carcinogen category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 1 or Appendix 2, respectively.	Nautic Motor Oil 25W40 Outboard
29. Substances which are classified as germ cell mutagen category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 3 or Appendix 4, respectively.	Nautic Motor Oil 25W40 Outboard
3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	Nautic Motor Oil 25W40 Outboard
3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	Distillates (petroleum), solvent-dewaxed heavy paraffinic

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Directive 2012/18/EU (SEVESO III)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No

SECTION 16: Other information

Indication of changes:			
Section	Changed item	Change	Comments
1.2	Function or use category	Added	
1.2	Industrial/Professional use spec	Removed	
15.2	Chemical safety assessment	Modified	

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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 EUH-statements:	
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
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
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.
EUH210	Safety data sheet available on request.

SDS EU (REACH Annex II)

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