



Nautic Motor Oil 25W40 Outboard

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Issue date: 6/5/2015 Revision date: 7/9/2021 Supersedes version of: 10/4/2018 Version: 2.4

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

Main use category : Industrial use, Professional use, Consumer use
Industrial/Professional use spec : Used in closed systems
Non-dispersive use
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
mikooijman@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	
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
Israel	Israel Poison Information Center Rambam Health Care Campus	6 Ha'Aliya Street 31096 Haifa	+972 4 854 1900	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD Msida	+356 2545 6504	
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	

Nautic Motor Oil 25W40 Outboard

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

EUH-statements : EUH210 - Safety data sheet available on request.

2.3. Other hazards

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

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]
Bis(nonylphenyl)amine	CAS-No.: 36878-20-3 EC-No.: 253-249-4 REACH-no: 01-2119488911-28	1 – 2.4	Aquatic Chronic 4, H413
Zinc (O,O,O,O-tetrakis (1,3-dimethylbutyl) bis (phosphorodithioate)	EC-No.: 218-679-9 REACH-no: 01-2119953275-34	0.1 – 0.99	Skin Irrit. 2, H315 Eye Dam. 1, H318
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	0.1 – 0.24	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411
Succinamic acid (Tetrapropenyl)	EC-No.: 248-698-8	0.1 – 0.24	Skin Irrit. 2, H315 Eye Irrit. 2, H319 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 \leq C < 100) Skin Irrit. 2, H315 (10 \leq C < 12.5) Eye Irrit. 2, H319 (12.5 \leq C < 100) Eye Dam. 1, H318

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

Nautic Motor Oil 25W40 Outboard

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: No special measures required.
First-aid measures after skin contact	: Wash skin thoroughly with mild soap and water.
First-aid measures after eye contact	: Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart.
First-aid measures after ingestion	: Do NOT induce vomiting. Rinse mouth. Obtain emergency medical attention.

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

Symptoms/effects after inhalation	: Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
Symptoms/effects after skin contact	: Not expected to present a significant skin hazard under anticipated conditions of normal use.
Symptoms/effects after eye contact	: Not expected to present a significant eye contact hazard under anticipated conditions of normal use.
Symptoms/effects after ingestion	: Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

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	: Water haze. Foam. Powder. Dry chemical.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Precautionary measures fire	: Exercise caution when fighting any chemical fire.
Firefighting instructions	: Use water spray or fog for cooling exposed containers.
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

Protective equipment	: Wear suitable protective clothing and gloves.
----------------------	---

6.1.2. For emergency responders

Protective equipment	: Wear suitable protective clothing and gloves.
----------------------	---

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment	: Impound and recover large spill by mixing it with inert granular solids.
Methods for cleaning up	: Detergent. Take up liquid spill into absorbent material sand, saw dust, kieselguhr.
Other information	: May be dangerously slippery if spilled. Use suitable disposal containers.

6.4. Reference to other sections

No additional information available

Nautic Motor Oil 25W40 Outboard

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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.
Handling temperature	: < 40 °C
Hygiene measures	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Store in a dry, cool place.
Storage temperature	: < 40 °C

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

Nautic Motor Oil 25W40 Outboard

USA - ACGIH - Occupational Exposure Limits

ACGIH OEL STEL	10 mg/m ³ (OSHA PEL: 5 mg/m ³)
----------------	---

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:

Gloves. Safety glasses.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection

Type	Field of application	Characteristics	Standard
Safety glasses			

Nautic Motor Oil 25W40 Outboard

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

8.2.2.2. Skin protection

Skin and body protection:

No special clothing/skin protection equipment is recommended under normal conditions of use.

Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Safety gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	>0.35		

8.2.2.3. Respiratory protection

Respiratory protection:

No respiratory protection needed under normal use conditions. No special protection required where adequate ventilation is maintained.

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

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
Appearance	: Oily liquid.
Colour	: Yellow-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	: > 200 °C ASTM D92
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	: 894 g/cm ³ (15°C)
Solubility	: Slightly soluble, the product remains on the water surface. Organic solvent:0.0%
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: 132 mm ² /s 40°C
Viscosity, dynamic	: No data available
Explosive properties	: No data available
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

None under normal conditions.

Nautic Motor Oil 25W40 Outboard

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

Strong oxidizers. Acids. Bases.

10.6. Hazardous decomposition products

None under normal conditions.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

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

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

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

Zinc (O,O,O,O-tetrakis (1,3-dimethylbutyl) bis (phosphorodithioate)

LD50 oral rat	2230 mg/kg OECD 401
---------------	---------------------

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)

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Additional information : <3% DMSO (IP346)
Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

Nautic Motor Oil 25W40 Outboard

Viscosity, kinematic	132 mm²/s 40°C
----------------------	----------------

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.

Nautic Motor Oil 25W40 Outboard

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

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

LC50 - Fish [1]	> 100 mg/l OECD 203 (Danio rerio)
EC50 - Crustacea [1]	> 100 mg/l (Daphnia magna)
EC50 72h - Algae [1]	100 mg/l OECD 201 (Desmodesmus subspicatus)

Zinc (O,O,O,O-tetrakis (1,3-dimethylbutyl) bis (phosphorodithioate)

LC50 - Fish [1]	4.5 mg/l Oncorhynchus mykiss
LC50 - Fish [2]	46 mg/l Cyprinodon variegatus
EC50 - Crustacea [1]	23 mg/l
EC50 72h - Algae [1]	21 mg/l
NOEC (chronic)	0.4 mg/l
NOEC chronic fish	1.8 mg/l Oncorhynchus mykiss

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

LC50 - Fish [1]	4.5 mg/l
EC50 - Crustacea [1]	5.4 mg/l
EC50 - Other aquatic organisms [1]	2.1 mg/l

12.2. Persistence and degradability

Nautic Motor Oil 25W40 Outboard

Persistence and degradability	Not soluble in water, so only minimally biodegradable.
-------------------------------	--

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

Biodegradation	1 % @ 28d
----------------	-----------

Zinc (O,O,O,O-tetrakis (1,3-dimethylbutyl) bis (phosphorodithioate)

Biodegradation	1.5 % Sturm @28d
----------------	------------------

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

Biodegradation	1.5 % (OECD 301B 28d)
----------------	-----------------------

12.3. Bioaccumulative potential

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

Partition coefficient n-octanol/water (Log Pow)	> 7.6
---	-------

Zinc (O,O,O,O-tetrakis (1,3-dimethylbutyl) bis (phosphorodithioate)

Bioconcentration factor (BCF REACH)	2.2 @0.1d
-------------------------------------	-----------

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

Partition coefficient n-octanol/water (Log Pow)	0.9 @ 23°C
---	------------

Nautic Motor Oil 25W40 Outboard

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

12.4. Mobility in soil

Nautic Motor Oil 25W40 Outboard

Ecology - soil

Prevent entry to sewers and public waters.

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.

SECTION 14: Transport information

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

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
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

Nautic Motor Oil 25W40 Outboard

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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

EU restriction list (REACH Annex XVII)

Reference code	Applicable on
3.	Nautic Motor Oil 25W40 Outboard
28.	Nautic Motor Oil 25W40 Outboard
29.	Nautic Motor Oil 25W40 Outboard

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 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

Germany

Water hazard class (WGK) : WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1)

Hazardous Incident Ordinance (12. BImSchV) : Listed in the 12. BImSchV (Annex I) under:
- Quantity threshold for operational area under § 1 para. 1

Netherlands

ABM category : B(4) - low hazard for aquatic organisms

SZW-lijst van kankerverwekkende stoffen : Zinc Bis [O-(6-methylheptyl)] bis ;O-(sec-butyl)] bis (dithiophosphate) is listed

SZW-lijst van mutagene stoffen : Zinc Bis [O-(6-methylheptyl)] bis ;O-(sec-butyl)] bis (dithiophosphate) is listed

SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed

SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : None of the components are listed

SZW-lijst van reprotoxische stoffen – Ontwikkeling : None of the components are listed

SZW-lijst van reprotoxische stoffen – Ontwikkeling : None of the components are listed

Denmark

Danish National Regulations (Additional) : Pregnant/breastfeeding women working with the product must not be in direct contact with the product

Switzerland

Storage class (LK) : LK 10/12 - Liquids

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes

Section	Changed item	Change	Comments
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Removed	

Nautic Motor Oil 25W40 Outboard

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Indication of changes			
Section	Changed item	Change	Comments
2.2	EUH-statements	Added	
3	Composition/information on ingredients	Modified	
4.1	First-aid measures after skin contact	Modified	
4.1	First-aid measures after inhalation	Modified	
4.1	First-aid measures after ingestion	Modified	
4.1	First-aid measures after eye contact	Modified	
4.2	Symptoms/effects after skin contact	Added	
4.2	Symptoms/effects after inhalation	Added	
4.2	Symptoms/effects after eye contact	Added	
4.2	Symptoms/effects after ingestion	Added	
5.1	Suitable extinguishing media	Modified	
5.3	Precautionary measures fire	Added	
5.3	Firefighting instructions	Added	
6.1	Protective equipment	Added	
6.1	Protective equipment	Modified	
6.2	Environmental precautions	Modified	
6.3	For containment	Added	
6.3	Other information	Added	
6.3	Methods for cleaning up	Modified	
7.1	Hygiene measures	Added	
7.1	Handling temperature	Added	
7.2	Storage temperature	Added	
7.2	Storage conditions	Modified	
8.2	Personal protective equipment	Modified	
8.2	Respiratory protection	Modified	
8.2	Skin and body protection	Modified	
9.1	Viscosity, kinematic	Modified	
9.1	Solubility	Modified	
9.1	Density	Modified	
9.1	Flash point	Modified	
9.1	Appearance	Added	
9.1	Colour	Modified	
10.1	Reactivity	Added	
10.2	Chemical stability	Modified	
10.3	Possibility of hazardous reactions	Modified	
10.5	Incompatible materials	Added	
10.6	Hazardous decomposition products	Modified	
11.1	Additional information	Added	

Nautic Motor Oil 25W40 Outboard

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Indication of changes			
Section	Changed item	Change	Comments
12.1	Ecology - general	Added	
12.2	Persistence and degradability	Modified	
15.1	Recommendations Danish Regulation (Additional)	Added	
15.2	Chemical safety assessment	Modified	

Abbreviations and acronyms:	
	<p>Abbreviations and acronyms:</p> <p>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</p>

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
EUH210	Safety data sheet available on request.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
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.
Skin Irrit. 2	Skin corrosion/irritation, Category 2

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.