



Marine Gear Oil Sterndrive High Performance

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878
Issue date: 2-1-2012 Revision date: 12-5-2021 Supersedes: 10-12-2020 version: 11.4

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

1.1. Product identifier

Product form : Mixture
Product name : Marine Gear Oil Sterndrive High Performance
UFI : TJCY-52PJ-4Y1A-YCXD
Product code : BL052000
Type of product : Other engine, gear and lubricating oils.
Product group : Mixture

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

1.2.1. Relevant identified uses

Main use category : Professional use
Use of the substance/mixture : Automotive care products
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

MPM International Oil Company
Cyclotronweg 1
2629 HN Delft Delft - Nederland
T +31 (0)15 2514030 - F +31 (0)15 2514031
msds@mpmoil.nl - www.mpmoil.nl

1.4. Emergency telephone number

Emergency number : +31 (0)15 2514030 (08.00 - 17.00 GMT+1)

Country	Official advisory body	Address	Emergency number	Comment
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)	
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	+44 20 7188 7188	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin sensitisation, Category 1 H317
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

CLP Signal word : Warning
Hazardous ingredients : Polysulphides, di-tert-Bu;
Amines, C12-14-tert-alkyl
Hazard statements (CLP) : H317 - May cause an allergic skin reaction.

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Precautionary statements (CLP) : P101 - If medical advice is needed, have product container or label at hand.
P280 - Wear protective clothing, protective gloves.
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P501 - Dispose of contents and container to an approved waste disposal plant.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Comments : Highly refined mineral oil, contains <3% (w/w) DMSO extract, according to IP346

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Base oil - unspecified	(CAS-No.) 64742-54-7 (EC-No.) 265-157-1 (EC Index-No.) 649-467-00-8 (REACH-no) 01-2119484627-25	≥ 50 – ≤ 55	Asp. Tox. 1, H304
Polysulphides, di-tert-Bu	(CAS-No.) 68937-96-2 (EC-No.) 273-103-3 (REACH-no) 01-2119540515-43	≥ 4 – ≤ 5	Skin Sens. 1B, H317 Aquatic Chronic 3, H412
1-Dodecene, homopolymer, hydrogenated	(CAS-No.) 151006-63-2 (EC-No.) 604-769-9 (REACH-no) 01-2119493071-43	≥ 4 – ≤ 5	Aquatic Chronic 4, H413
Amines, C12-14-tert-alkyl	(EC-No.) 931-384-6 (REACH-no) 01-2119493620-38	≥ 2 – ≤ 2,5	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Skin Sens. 1B, H317 Aquatic Chronic 2, H411
Distillates(petroleum), hydrotreated heavy paraffinic	(CAS-No.) 64742-54-7 (EC-No.) 265-157-1 (EC Index-No.) 649-467-00-8 (REACH-no) 01-2119484627-25	≥ 2 – ≤ 2,5	Asp. Tox. 1, H304
O,O,O-triphenyl phosphorothioate	(CAS-No.) 597-82-0 (EC-No.) 209-909-9 (REACH-no) 01-2119979545-21	≥ 0,2 – ≤ 0,5	Repr. 2, H361fd
Magnesium metaborate	(CAS-No.) 13703-82-7 (EC-No.) 237-235-5 (REACH-no) 01-2119976351-35	≥ 0,3 – ≤ 0,5	Skin Sens. 1B, H317

Specific concentration limits:

Name	Product identifier	Specific concentration limits
Amines, C12-14-tert-alkyl	(EC-No.) 931-384-6 (REACH-no) 01-2119493620-38	(50 ≤C < 100) Eye Dam. 1, H318
O,O,O-triphenyl phosphorothioate	(CAS-No.) 597-82-0 (EC-No.) 209-909-9 (REACH-no) 01-2119979545-21	(4,1 ≤C < 100) Repr. 2, H361fd
Magnesium metaborate	(CAS-No.) 13703-82-7 (EC-No.) 237-235-5 (REACH-no) 01-2119976351-35	(15 ≤C < 100) Skin Sens. 1B, H317

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation : Not expected to present a significant inhalation hazard under anticipated conditions of normal use.

After skin contact : Gently wash with plenty of soap and water.

After eye contact : In case of eye contact, immediately rinse with clean water for 10-15 minutes.

After ingestion : Do NOT induce vomiting. Get immediate medical advice/attention. Rinse mouth out with water.

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

Symptoms/effects : Not expected to present a significant 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 spray, powder, foam and CO₂.

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

Other information : Exercise caution when fighting any chemical fire. Use a water spray to cool exposed surfaces and to protect fire-fighters.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : No open flames. No smoking.

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

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up : Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel).

Other information : If spilled, may cause the floor to be slippery.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Avoid contact with skin. Keep away from food, drink and animal feedingstuffs.

Precautions for safe handling : Avoid contact with skin and eyes.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Store in a well-ventilated place. Keep container tightly closed.

Incompatible products : Strong bases. Strong acids.

Storage temperature : ≥ 40 °C

Storage area : Store in a well-ventilated place.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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EU	IOELV TWA (mg/m ³)	5 mg/m ³
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Additional information : Based on ACGIH TLV, a concentration of 5 mg/m³ oilspray (TWA, 8 hour workday) is recommended.

8.2. Exposure controls

Technical measures:

Ensure good ventilation of the work station. Provide local exhaust or general room ventilation.

Personal protective equipment:

Gloves. Safety glasses.

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Hand protection:

In case of repeated or prolonged contact wear gloves

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

Eye protection:

Safety goggles

Skin and body protection:

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

Respiratory protection:

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Oily.
Colour	: Green.
Odour	: Characteristic.
Odour threshold	: No data available
pH	: Not applicable
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 D 92
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	: 868 g/l
Solubility	: Slightly soluble, the product remains on the water surface. Water: Negligible.
Log Pow	: No data available
Viscosity, kinematic	: 75 mm ² /s 40C
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: 1 – 6 vol %

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

None under normal conditions.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

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10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

Acids and bases. Oxidizing agent.

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

O,O,O-triphenyl phosphorothioate (597-82-0)

LD50 oral rat > 10000 mg/kg bodyweight OECD 401

LD50 dermal rat > 2000 mg/kg bodyweight OECD 402 (

Base oil - unspecified (64742-54-7)

LD50 oral > 5000 mg/kg

LD50 dermal rat > 2000 mg/kg

LC50 Inhalation - Rat > 5 mg/l/4h

1-Dodecene, homopolymer, hydrogenated (151006-63-2)

LD50 dermal rat > 2000 mg/kg bodyweight OECD 402

Skin corrosion/irritation : May produce an allergic reaction (Based on available data, the classification criteria are not met)

pH: Not applicable

Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met)

pH: Not applicable

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

Base oil - unspecified (64742-54-7)

NOAEL (dermal, rat/rabbit) > 2000 mg/kg bodyweight

STOT-repeated exposure : Not classified

Amines, C12-14-tert-alkyl

NOAEL (oral, rat, 90 days) 150 mg/kg bodyweight/day @28d

O,O,O-triphenyl phosphorothioate (597-82-0)

NOAEL (oral, rat, 90 days) 50 mg/kg bodyweight OECD 407: EU Method B.7 (

Base oil - unspecified (64742-54-7)

NOAEL (oral, rat, 90 days) > 1000 mg/kg bodyweight/day

NOAEL (subacute, oral, animal/male, 28 days) > 220 mg/kg bodyweight

NOAEL (subchronic, oral, animal/male, 90 days) > 980 mg/kg bodyweight

Aspiration hazard : Not classified

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Viscosity, kinematic 75 mm²/s 40C

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Hydrocarbon	Yes
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SECTION 12: Ecological information

12.1. Toxicity

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

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

Polysulphides, di-tert-Bu (68937-96-2)

EC50 Daphnia 1	63 mg/l @2d
EC50 72h - Algae [2]	> 100 mg/l
EC50 96h - Algae [1]	> 10000 mg/l Slib @0.1DY

Amines, C12-14-tert-alkyl

LC50 fish 1	24 mg/l @4d Oncorhynchus mykiss
LC50 fish 2	8,5 mg/l @4d Pimephales promelas
EC50 Daphnia 1	91,4 mg/l @2d
EC50 Daphnia 2	0,66 mg/l @21 d
EC50 other aquatic organisms 1	6,4 mg/l @4d selenastrum capricomutum
EC50 72h - Algae [1]	91,4 mg/l @2d waterflea
EC50 72h - Algae [2]	0,66 mg/l @21d waterflea
EC50 96h - Algae [1]	2433 mg/l @0.1d slib
NOEC chronic crustacea	0,12 mg/l @21 d waterflea
NOEC chronic algae	1,7 mg/l @4d selenastrum capricomutum

O,O,O-triphenyl phosphorothioate (597-82-0)

LC50 fish 1	> 100 mg/l Brachydanio rerio
EC50 Daphnia 1	> 100 mg/l Daphnia magna
EC50 72h - Algae [1]	14,4 mg/l Scenedesmus quadricauda

Base oil - unspecified (64742-54-7)

LC50 fish 1	> 100 mg/l
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12.2. Persistence and degradability

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Persistence and degradability	Not soluble in water, so only minimally biodegradable.
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Polysulphides, di-tert-Bu (68937-96-2)

Biodegradation	13 % @OECD TG @28d
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Amines, C12-14-tert-alkyl

BOD (% of ThOD)	3,6 % ThOD @28d inherent sediment
Biodegradation	7,4 % Sturm (28d)

12.3. Bioaccumulative potential

Polysulphides, di-tert-Bu (68937-96-2)

Log Kow	6
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O,O,O-triphenyl phosphorothioate (597-82-0)

BCF fish 1 2,551

12.4. Mobility in soil

No additional information available

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

Regional legislation (waste) : Disposal must be done according to official regulations.

SECTION 14: Transport information

In accordance with ADR / IMDG

ADR	IMDG
14.1. UN number	
Not applicable	Not applicable
14.2. UN proper shipping name	
Not applicable	Not applicable
14.3. Transport hazard class(es)	
Not applicable	Not applicable
14.4. Packing group	
Not applicable	Not applicable
14.5. Environmental hazards	
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No
No supplementary information available	

14.6. Special precautions for user

Overland transport

No data available

Transport by sea

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

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

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

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

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SECTION 16: Other information

Indication of changes:

Section	Changed item	Change	Comments
	Revision date	Modified	
	Supersedes	Modified	
2.2	Precautionary statements (CLP)	Modified	

Abbreviations and acronyms:

	ACGIH: American Conference of Governmental Industrial Hygienists. TWA: Time Weighted Average. TLV: Threshold Limit Value. ASTM: American Society for Testing and Materials . ADR: Accord Européen Relatif au Transport International des Marchandises Dangereuses par Route . RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail . ADN: Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin. IMDG: International Maritime Dangerous Goods. ICAO: International Civil Aviation Organization . IATA: International Air Transport Association. STEL: Short Term Exposure Limit. LD50: median Lethal Dose for 50% of subjects. ATE: acute toxicity estimate. LC50: median Lethal Concentration for 50% of subjects. EC50: concentration producing 50% effect.
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Full text of H- and EUH-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
Repr. 2	Reproductive toxicity, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
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.

SDS MPM REACH

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.