



Marine Engine Oil Single Grade SAE 30

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Issue date: 5-3-2020 Revision date: 27-8-2020 Supersedes: 18-6-2020 version: 4.3

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

1.1. Product identifier

Product form : Mixture
Product name : Marine Engine Oil Single Grade SAE 30
Product code : BL030000

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
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	Beaumont Hospital Beaumont Road 9 Dublin	: +353 1 8379964	
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]

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 : EUH208 - Contains Benzenesulfonic acid, mono-C16-24 alkyl derivatives, calcium salts.
May produce an allergic reaction.

2.3. Other hazards

No additional information available

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]
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	1 – 4,99	Asp. Tox. 1, H304

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Benzenesulfonic acid, mono-C16-24 alkyd derivatives, calcium salts	(CAS-No.) 70024-69-0 (EC-No.) 274-263-7 (REACH-no) 01-2119492616-28	0,1 – 0,99	Skin Sens. 1B, H317
Phosphorodithioic acid, mixed 0,0-bis(1,3-dimethylbutyl and iso-Pr)esters, zinc salts	(CAS-No.) 84605-29-8 (EC-No.) 283-392-8 (REACH-no) 01-2119493626-26	0,1 – 0,99	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411

Specific concentration limits:

Name	Product identifier	Specific concentration limits
Phosphorodithioic acid, mixed 0,0-bis(1,3-dimethylbutyl and iso-Pr)esters, zinc salts	(CAS-No.) 84605-29-8 (EC-No.) 283-392-8 (REACH-no) 01-2119493626-26	(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

After inhalation	: No special protection required.
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	: Rinse mouth out with water. Call a physician immediately. Do NOT induce vomiting.

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.
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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 CO ₂ .
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

Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
Other information	: Exercise caution when fighting any chemical fire. Do not enter fire area without proper protective equipment, including respiratory protection. 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

6.1.1. For non-emergency personnel

Protective equipment	: Wear suitable protective clothing and gloves.
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6.1.2. For emergency responders

Protective equipment	: Wear suitable protective clothing and gloves.
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6.2. Environmental precautions

Avoid release to the environment. Notify authorities if liquid 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	: Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Clean with the help of detergents.
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

Precautions for safe handling	: Avoid all unnecessary exposure. Both local exhaust and general room ventilation are usually required. Prevent the formation of oil mist.
Handling temperature	: < 40 °C
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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7.2. Conditions for safe storage, including any incompatibilities

Storage temperature : < 40 °C
Storage area : Keep in a cool, well-ventilated place. Store in a closed container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

EU	IOELV TWA (mg/m ³)	5 mg/m ³
EU	IOELV STEL (mg/m ³)	10 mg/m ³
Germany	TRGS 910 Acceptable concentration notes	

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

8.2. Exposure controls

Personal protective equipment:

Gloves. Safety glasses.

Materials for protective clothing:

Wear suitable protective clothing, gloves and eye/face protection

Hand protection:

Wear suitable gloves resistant to chemical penetration

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	: amber.
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	: 240 °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

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Density	: 891 g/l @ 15°C
Solubility	: Slightly soluble, the product remains on the water surface.
Log Pow	: No data available
Viscosity, kinematic	: 103 mm ² /s @ 100°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.

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

acids and bases. Oxidizing agent.

10.6. Hazardous decomposition products

No additional information available

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

distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

LD50 oral rat	> 5000 mg/kg bodyweight
LD50 dermal rat	2000 ml/kg
LC50 Inhalation - Rat	> 5 mg/l/4h

Benzenesulfonic acid, mono-C16-24 alkyd derivatives, calcium salts (70024-69-0)

LD50 oral rat	> 5000 mg/kg OECD 401
LD50 dermal rabbit	> 5000 mg/kg OECD 402
LC50 Inhalation - Rat	> 1,9 mg/l air EPA OPP 81-3
LC50 Inhalation - Rat (Vapours)	> 1,7 mg/l/4h EPA OPP 81-3

Phosphorodithioic acid, mixed 0,0-bis(1,3-dimethylbutyl and iso-Pr)esters, zinc salts (84605-29-8)

LD50 oral rat	3150 mg/kg OECD 401
LD50 dermal rat	> 2002 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	≥ 2000 mg/kg OECD 402
LC50 Inhalation - Rat	≥ 5 mg/l/4h
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
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified

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distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

NOAEL (dermal, rat/rabbit)	> 2000 mg/kg bodyweight
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Benzenesulfonic acid, mono-C16-24 alkyd derivatives, calcium salts (70024-69-0)

NOAEL (acute, oral, animal/male)	> 500 mg/kg bodyweight OECD 407
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STOT-repeated exposure : Not classified

distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight OECD 408
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NOAEL (oral, rat, 90 days)	> 1000 mg/kg bodyweight/day
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NOAEL (subacute, oral, animal/male, 28 days)	> 220 mg/kg bodyweight
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NOAEL (subchronic, oral, animal/male, 90 days)	> 980 mg/kg bodyweight
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Benzenesulfonic acid, mono-C16-24 alkyd derivatives, calcium salts (70024-69-0)

NOAEL (oral, rat, 90 days)	500 mg/kg bodyweight OECD 407
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NOAEL (dermal, rat/rabbit, 90 days)	> 1000 mg/kg bodyweight OECD 410
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Phosphorodithioic acid, mixed 0,0-bis(1,3-dimethylbutyl and iso-Pr)esters, zinc salts (84605-29-8)

NOAEL (oral, rat, 90 days)	160 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
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Aspiration hazard : Not classified

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Viscosity, kinematic	103 mm ² /s @ 100°C
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Other information	: This product is formulated with highly refined mineral oils which are considered under IARC as not carcinogenic. It was the IP 346 test showed that all oils in this product contains less than 3% extractable substances.
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SECTION 12: Ecological information

12.1. Toxicity

General : Contain the spilled material by bunding.

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

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

distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

LC50 fish 1	> 100 mg/l
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Benzenesulfonic acid, mono-C16-24 alkyd derivatives, calcium salts (70024-69-0)

LC50 fish 1	> 1000 mg/l pimephales promelas
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LC50 fish 2	> 10000 mg/l cyprinodon variegatus
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EC50 Daphnia 1	> 1000 mg/l
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EC50 other aquatic organisms 2	> 10000 mg/l 0.1d - slib
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EC50 72h algae (1)	> 1000 mg/l Pseudokirchneriella subcapitata
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EC50 96h algae (1)	> 1000 mg/l Chlorophyta
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Phosphorodithioic acid, mixed 0,0-bis(1,3-dimethylbutyl and iso-Pr)esters, zinc salts (84605-29-8)

LC50 fish 1	4,5 mg/l Oncorhynchus mykiss OECD 203
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LC50 fish 2	46 mg/l Cyprinodon variegatus
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LC50 other aquatic organisms 1	≥ 10000 mg/l 3h bacteria
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EC50 Daphnia 1	23 mg/l OECD 202
EC50 Daphnia 2	0,8 mg/l @21d
EC50 other aquatic organisms 2	10000 mg/l @0.1d - Chlorophyta
EC50 72h algae (1)	21 mg/l @3d - Chlorophyta
ErC50 (algae)	21 mg/l 72h Desmodesmus subspicatus OECD 201
NOEC (acute)	1,8 mg/l @4d - Oncorhynchus mykiss
NOEC (chronic)	10 mg/l @2d - Daphnia
NOEC chronic fish	0,4 mg/l @21d - Daphnia
NOEC chronic algae	10 mg/l @3d - Chlorophyta

12.2. Persistence and degradability

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Persistence and degradability	Not soluble in water, so only minimally biodegradable.
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Benzenesulfonic acid, mono-C16-24 alkyd derivatives, calcium salts (70024-69-0)

BOD (% of ThOD)	8 % ThOD 28d - OECD TG 301 D
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Phosphorodithioic acid, mixed 0,0-bis(1,3-dimethylbutyl and iso-Pr)esters, zinc salts (84605-29-8)

Persistence and degradability	Not readily biodegradable.
Biodegradation	1,5 % @28d OECD TG 301 B

12.3. Bioaccumulative potential

Benzenesulfonic acid, mono-C16-24 alkyd derivatives, calcium salts (70024-69-0)

Log Kow	4,46 – 10,88 OECD 107/117
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Phosphorodithioic acid, mixed 0,0-bis(1,3-dimethylbutyl and iso-Pr)esters, zinc salts (84605-29-8)

Log Kow	0,56 Measurements
Bioaccumulative potential	not bioaccumulable.

12.4. Mobility in soil

Phosphorodithioic acid, mixed 0,0-bis(1,3-dimethylbutyl and iso-Pr)esters, zinc salts (84605-29-8)

Soil	No data available.
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12.5. Results of PBT and vPvB assessment

Component

Phosphorodithioic acid, mixed 0,0-bis(1,3-dimethylbutyl and iso-Pr)esters, zinc salts (84605-29-8)	The product does not meet the PBT and vPvB classification criteria
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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.
Waste disposal recommendations	: Remove to an authorized waste treatment plant.

SECTION 14: Transport information

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

ADR	IMDG
14.1. UN number	
Not applicable	Not applicable
14.2. UN proper shipping name	
Not applicable	Not applicable

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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 additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:

Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
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
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1B	Skin sensitisation, category 1B
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.
H411	Toxic to aquatic life with long lasting effects.
EUH208	Contains Benzenesulfonic acid, mono-C16-24 alkyd derivatives, calcium salts. May produce an allergic reaction.

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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.