



# MPM Motor Oil 0W-30 Premium Synthetic F

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 02/08/2019 Revision date: 02/04/2024 Supersedes: 15/03/2023 version: 4.3

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

#### 1.1. Product identifier

Product form	: Mixture
Trade name	: MPM Motor Oil 0W-30 Premium Synthetic F
Product code	: 05000F
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

##### Relevant identified uses

Main use category	: Professional use, Consumer use, Industrial use
Industrial/Professional use spec	: Non-dispersive use Used in closed systems
Function or use category	: Lubricants and additives

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

##### Manufacturer

MPM International Oil Company BV  
Cyclotronweg 1  
NL 2629 HN Delft, Zuid Holland  
Nederland  
T +31 (0)15 2514030 (08.00 - 17.00 GMT+1)  
[info@mpmoil.com](mailto:info@mpmoil.com), [www.mpmoil.com](http://www.mpmoil.com)

#### 1.4. Emergency telephone number

No additional information available

### 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

Contact with the eyes is likely to be irritating. Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons.

#### 2.2. Label elements

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

Precautionary statements (CLP)	: P102 - Keep out of reach of children.
EUH-statements	: EUH208 - Contains: Calcium carbonate monopolybutenylbenzenesulfonate succinate complexes. May produce an allergic reaction. EUH210 - Safety data sheet available on request.

#### 2.3. Other hazards

Other hazards not contributing to the classification : Not classified as flammable by EC criteria.

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

# MPM Motor Oil 0W-30 Premium Synthetic F

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Component	
Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	Mineral oil, reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0), Phosphorodithioic acid, mixed 0,0-bis(1,3-dimethylbutyl and iso-Pr)esters, zinc salts (84605-29-8), Calcium carbonate monopolybutenylbenzenesulfonate succinate complexes (252315-85-8), Calcium carbonate (471-34-1), Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	Mineral oil, reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0), Phosphorodithioic acid, mixed 0,0-bis(1,3-dimethylbutyl and iso-Pr)esters, zinc salts (84605-29-8), Calcium carbonate monopolybutenylbenzenesulfonate succinate complexes (252315-85-8), Calcium carbonate (471-34-1), Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts

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 substance(s) are 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 %

Component	
Substance(s) not 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	reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0), Phosphorodithioic acid, mixed 0,0-bis(1,3-dimethylbutyl and iso-Pr)esters, zinc salts (84605-29-8), Calcium carbonate monopolybutenylbenzenesulfonate succinate complexes (252315-85-8), Calcium carbonate (471-34-1), Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts

## SECTION 3: Composition/information on ingredients

### 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]
1-Decene, homopolymer, hydrogenated	CAS-No.: 68037-01-4 EC-No.: 500-183-1 REACH-no: 01-2119486452-34	≥ 60 – ≤ 70	Asp. Tox. 1, H304
Lubricating oils (petroleum), C24-50, solvent etd., dewaxed, hydrogenated	CAS-No.: XXXXXX-XX-X EC-No.: - REACH-no: 01-2119489969-06	≥ 3 – ≤ 5	Asp. Tox. 1, H304
Mineral oil	-	≥ 3 – ≤ 5	Not classified
reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate	CAS-No.: 125643-61-0 EC-No.: 406-040-9 EC Index-No.: 607-530-00-7 REACH-no: 01-0000015551-76	≥ 1 – ≤ 1.5	Aquatic Chronic 4, H413
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	≥ 1 – ≤ 1.5	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411
Calcium carbonate monopolybutenylbenzenesulfonate succinate complexes	CAS-No.: 252315-85-8 EC-No.: 685-142-7	≥ 0.5 – ≤ 0.9	Skin Sens. 1, H317

# MPM Motor Oil 0W-30 Premium Synthetic F

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Calcium carbonate	CAS-No.: 471-34-1 EC-No.: 207-439-9	≥ 0.5 – ≤ 0.9	Not classified
Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts	EC-No.: 939-603-7 REACH-no: 01-2119978241-36	≥ 0.1 – ≤ 0.3	Not classified

### 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- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

After inhalation	: Not required.
After skin contact	: Wash skin with mild 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. Rinse mouth out with water. Get immediate medical advice/attention.

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

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

# MPM Motor Oil 0W-30 Premium Synthetic F

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### SECTION 6: Accidental release measures

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

General measures : If spilled, may cause the floor to be slippery.

##### For non-emergency personnel

Protective equipment : Gloves. Safety glasses.

Emergency procedures : Do not breathe vapours.

##### For emergency responders

Protective equipment : Wear suitable protective clothing and gloves. Safety glasses.

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

Methods for cleaning up : Detergent. Clean up any spills as soon as possible, using an absorbent material to collect it.

Other information : Spill area may be slippery. Use suitable disposal containers.

#### 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 all unnecessary exposure. Both local exhaust and general room ventilation are usually required.

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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

Technical measures : Store in a closed container.

Storage conditions : Keep container closed when not in use.

Storage temperature : ≤ 40 °C

Storage area : Store in dry, well-ventilated area.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### DNEL and PNEC

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

#### 8.2. Exposure controls

##### Appropriate engineering controls

##### Technical measures:

No additional information available.

# MPM Motor Oil 0W-30 Premium Synthetic F

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### Personal protection equipment

#### Personal protective equipment:

Gloves. Safety glasses.

#### Personal protective equipment symbol(s):



### Eye and face protection

#### Eye protection:

Safety goggles

### Skin protection

#### Skin and body protection:

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

#### Hand protection:

Protective gloves

Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	> 0,4		EN ISO 374

### Respiratory protection

#### Respiratory protection:

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

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid.
Colour	: Amber.
Appearance	: Oily liquid.
Odour	: Characteristic.
Odour threshold	: Not available
Melting point	: -39 @ ASTM D 97
Freezing point	: Not available
Boiling point	: 217 – 596 °C (CAS 68037-01-4)
Flammability (solid, gas)	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: > 210 °C @ ASTM D92
Auto-ignition temperature	: 343 – 369 (CAS 68037-01-4)
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: 53 mm <sup>2</sup> /s @ 40°C
Solubility	: Slightly soluble, the product remains on the water surface.
Log Kow	: Not available
Vapour pressure	: 1.7 mm Hg (177°C, CAS 68037-01-4)
Vapour pressure at 50°C	: Not available
Density	: 856 kg/m <sup>3</sup> @ 15°C
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

### 9.2. Other information

No additional information available

# MPM Motor Oil 0W-30 Premium Synthetic F

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 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.

#### 10.4. Conditions to avoid

No naked flames, sparks, and do not smoke.

#### 10.5. Incompatible materials

Strong oxidizing agent. Acids and bases.

#### 10.6. Hazardous decomposition products

None under normal conditions.

### SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met.)  
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met.)  
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met.)

##### 1-Decene, homopolymer, hydrogenated (68037-01-4)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 Inhalation - Rat	> 5.2 mg/l/4h OECD 403
LC50 Inhalation - Rat (Vapours)	5.2 mg/l/4h
ATE CLP (vapours)	5.2 mg/l/4h

##### Lubricating oils (petroleum), C24-50, solvent etd., dewaxed, hydrogenated (XXXXXX-XX-X)

LD50 oral rat	> 5000 mg/kg bodyweight OECD 401: OECD 420
LD50 dermal rat	> 5000 mg/kg bodyweight OECD 402
LC50 Inhalation - Rat [ppm]	> 5 ppmv/4h OECD 403

##### reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0)

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

##### 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 OECD 402
LC50 Inhalation - Rat	> 2.3 mg/l/4h OECD 403
ATE CLP (oral)	3150 mg/kg bodyweight

# MPM Motor Oil 0W-30 Premium Synthetic F

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

<b>Calcium carbonate (471-34-1)</b>	
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method), Guideline: EU Method B.1 bis (Acute Oral Toxicity - Fixed Dose Procedure)
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal))
LC50 Inhalation - Rat	> 3 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: EU Method B.2 (Acute Toxicity (Inhalation)), Guideline: EPA OPPTS 870.1300 (Acute inhalation toxicity)
<b>Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts</b>	
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Animal sex: male
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 1.9 mg/l air Animal: rat, Guideline: EPA OPP 81-3 (Acute inhalation toxicity)
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met.)
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met.)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met.)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met.)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met.)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met.)
<b>Lubricating oils (petroleum), C24-50, solvent etd., dewaxed, hydrogenated (XXXXXX-XX-X)</b>	
LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight OECD 408
NOAEL (dermal, rat/rabbit, 90 days)	≈ 1000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)
<b>Calcium carbonate (471-34-1)</b>	
NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
<b>Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts</b>	
NOAEL (oral, rat, 90 days)	> 500 mg/kg bodyweight Animal: rat, Guideline: other:OECD 415
NOAEL (dermal, rat/rabbit, 90 days)	> 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met.)
<b>MPM Motor Oil 0W-30 Premium Synthetic F</b>	
Viscosity, kinematic	53 mm²/s @ 40°C
<b>Lubricating oils (petroleum), C24-50, solvent etd., dewaxed, hydrogenated (XXXXXX-XX-X)</b>	
Viscosity, kinematic	1.99 – 847 mm²/s @ 40°C
<b>Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts</b>	
Viscosity, kinematic	447 mm²/s @ 20 °C

# MPM Motor Oil 0W-30 Premium Synthetic F

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 11.2. Information on other hazards

#### Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties

: 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 substance(s) are 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 %

#### Other information

Potential adverse human health effects and symptoms

: Contact with the eyes may cause temporary redness and irritation, prolonged and repeated contact with the skin may cause redness, irritation and dermatitis, May produce an allergic reaction.

## SECTION 12: Ecological information

### 12.1. Toxicity

General

: The product is not considered harmful to aquatic organisms and is not considered to have a long-term adverse effect on the environment. However, uncontrolled discharge into the environment can cause pollution of various environmental elements (soil, subsoil, aboveground water, aquifers). Handling should take place with due observance of the usual hygienic precautions to prevent contamination and accidental release into the environment.

Ecology - water

: This product is not water soluble. It floats on the water and forms a film on the surface. The damage to aquatic organisms is of a mechanical nature (immobilization and containment).

Hazardous to the aquatic environment, short-term (acute)

: Not classified (Based on available data, the classification criteria are not met.)

Hazardous to the aquatic environment, long-term (chronic)

: Not classified (Based on available data, the classification criteria are not met.)

#### 1-Decene, homopolymer, hydrogenated (68037-01-4)

LC50 fish 1	> 1000 mg/l <i>Salmo gairdneri</i>
LC50 other aquatic organisms 1	> 1000 mg/l <i>scenedes quadricauda</i> @ 3hr
EC50 72h - Algae [1]	> 1000 mg/l waterflea @2Dy
EC50 72h - Algae [2]	> 125 mg/l waterflea @21Dy
NOEC (chronic)	> 1000 mg/l <i>scenedesmus quadriacauda</i> @3hr
NOEC (acute)	125 mg/l @waterflea @21Dy

#### Lubricating oils (petroleum), C24-50, solvent etd., dewaxed, hydrogenated (XXXXXX-XX-X)

LC50 fish 1	100 mg/l LL 50
EC50 Daphnia 1	10000 mg/l WAF, 48h OECD 202

#### reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0)

LC50 fish 1	> 74 mg/l OECD 203, ( <i>Danio rerio</i> , 96h)
EC50 Daphnia 1	> 100 mg/l OECD 202, ( <i>Daphnia magna</i> , 24h)
EC50 72h - Algae [1]	> 3 mg/l > 3 mg/l OECD 201, ( <i>Desmodesmus subspicatus</i> , 72h)

#### 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 OECD 203 ( <i>Oncorhynchus mykiss</i> )
EC50 Daphnia 1	23 mg/l OECD 202 ( <i>Daphnia magna</i> )
EC50 72h - Algae [1]	21 mg/l OECD 201 ( <i>Desmodesmus subspicatus</i> )
NOEC (acute)	1.8 mg/l @4d - <i>Oncorhynchus mykiss</i>
NOEC chronic crustacea	0.4 mg/l @21d OECD 211 ( <i>Daphna magna</i> )



# MPM Motor Oil 0W-30 Premium Synthetic F

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Calcium carbonate (471-34-1)	
EC50 72h - Algae [1]	> 14 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts	
LC50 fish 1	≥ 100 mg/l LL50 OECD 203 Oncorhynchus mykiss-Goodband T.J. (2005a)
LC50 fish 2	≥ 10000 mg/l LL 50 OECD 203 Cyprinodon variegatus- Nicholson R.B. (1986)
EC50 Daphnia 1	≥ 1000 EPA OTS 797. 1300 (WAF) Ward, T.J. (1993)
EC50 72h - Algae [1]	≥ 100 mg/l OECD 201 Scenedesmus subspicatus- Mead. C. (2005)
ErC50 (algae)	≥ 1000 mg/l EPA OTS 797, 1050 Pseudekirchnerella subcapitata War, T.J. (1994)

### 12.2. Persistence and degradability

MPM Motor Oil 0W-30 Premium Synthetic F	
Persistence and degradability	Not soluble in water, so only minimally biodegradable.

1-Decene, homopolymer, hydrogenated (68037-01-4)	
Persistence and degradability	Rapidly degradable
Biodegradation	2 % 28 Dy @ OECD TG 301D

Lubricating oils (petroleum), C24-50, solvent etd., dewaxed, hydrogenated (XXXXXX-XX-X)	
Persistence and degradability	Rapidly degradable

Mineral oil	
Persistence and degradability	Rapidly degradable

reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0)	
Persistence and degradability	The product is not biodegradable.

Phosphorodithioic acid, mixed 0,0-bis(1,3-dimethylbutyl and iso-Pr)esters, zinc salts (84605-29-8)	
Persistence and degradability	Rapidly degradable
Biodegradation	1.5 % @28d OECD TG 301 B

Calcium carbonate monopolybutenylbenzenesulfonate succinate complexes (252315-85-8)	
Persistence and degradability	Rapidly degradable

Calcium carbonate (471-34-1)	
Persistence and degradability	Rapidly degradable

Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts	
Persistence and degradability	Rapidly degradable

### 12.3. Bioaccumulative potential

1-Decene, homopolymer, hydrogenated (68037-01-4)	
Log Kow	> 6.5

reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0)	
BCF fish 1	260 OECD 305 (Oncorhynchus mykiss, 35d)
Log Pow	9.2

# MPM Motor Oil 0W-30 Premium Synthetic F

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

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

Log Kow	0.56 Measurements
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### 12.4. Mobility in soil

#### reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0)

Soil	Adsorbs into the soil.
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### 12.5. Results of PBT and vPvB assessment

#### Component

Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	Mineral oil, reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0), Phosphorodithioic acid, mixed 0,0-bis(1,3-dimethylbutyl and iso-Pr)esters, zinc salts (84605-29-8), Calcium carbonate monopolybutenylbenzenesulfonate succinate complexes (252315-85-8), Calcium carbonate (471-34-1), Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts
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Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	Mineral oil, reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0), Phosphorodithioic acid, mixed 0,0-bis(1,3-dimethylbutyl and iso-Pr)esters, zinc salts (84605-29-8), Calcium carbonate monopolybutenylbenzenesulfonate succinate complexes (252315-85-8), Calcium carbonate (471-34-1), Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts
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### 12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : The product does not contain any substances with endocrine disrupting properties.

### 12.7. Other adverse effects

Additional information : Danger of drinking-water pollution (ground water). Do not flush into surface water or sewer system

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional waste regulation : Disposal must be done according to official regulations. Comply with local regulations for disposal.

Waste disposal recommendations : Remove to an authorized waste treatment plant.

## SECTION 14: Transport information

In accordance with ADR / IMDG

ADR	IMDG
<b>14.1. UN number or ID number</b>	
Not regulated for transport	
<b>14.2. UN proper shipping name</b>	
Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>	
Not applicable	Not applicable
<b>14.4. Packing group</b>	
Not applicable	Not applicable

# MPM Motor Oil 0W-30 Premium Synthetic F

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

ADR	IMDG
<b>14.5. Environmental hazards</b>	
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. 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

#### 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)

##### Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

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

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

##### Drug Precursors Regulation (EC 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)

### 15.2. Chemical safety assessment

No additional information available

# MPM Motor Oil 0W-30 Premium Synthetic F

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### SECTION 16: Other information

Indication of changes		
Section	Changed item	Comments
	Supersedes	Modified
	Revision date	Modified

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
EUH208	Contains: Calcium carbonate monopolybutenylbenzenesulfonate succinate complexes. May produce an allergic reaction.
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
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.
H413	May cause long lasting harmful effects to aquatic life.
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1

The classification complies with : ATP 12

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.