

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 07/05/2010 Revision date: 16/04/2025 Supersedes: 12/07/2023 version: 6.0

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

1.1. Product identifier

Product form : Mixture

Trade name : MPM Motor Oil 10W-30 Premium Synthetic EHPD Truck FE

Product code : 04000AB

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, 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

No additional information available

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: Longchain calcium alkaryl sulfonate, Benzenesulphonic acid, methyl

mono-C 20 -C 24 branched alkyl derivatives, calcium salts. May produce an allergic

reaction.

EUH210 - Safety data sheet available on request.

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

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

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Component		
Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0), Longchain calcium alkaryl sulfonate (722503-68-6), Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8), Benzenesulphonic acid, methyl mono-C 20 -C 24 branched alkyl derivatives, calcium salts (722503-68-6)	
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0), Longchain calcium alkaryl sulfonate (722503-68-6), Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8), Benzenesulphonic acid, methyl mono-C 20 -C 24 branched alkyl derivatives, calcium salts (722503-68-6)	

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

Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8), reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0), Longchain calcium alkaryl sulfonate (722503-68-6), Benzenesulphonic acid, methyl mono-C 20 -C 24 branched alkyl derivatives, calcium salts (722503-68-6)

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]
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	CAS-No.: 4259-15-8 EC-No.: 224-235-5 REACH-no: 01-2119493635- 27	≥ 1 – ≤ 2.49	Eye Dam. 1, H318 Aquatic Chronic 2, H411
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-	≥ 1 – ≤ 1.99	Aquatic Chronic 4, H413
Longchain calcium alkaryl sulfonate	CAS-No.: 722503-68-6 EC-No.: 682-816-2	≥ 0.1 – ≤ 0.99	Skin Sens. 1B, H317
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts	CAS-No.: 68784-31-6 EC-No.: 272-238-5 REACH-no: 01-2119657973- 23	≥ 0.1 – ≤ 0.99	Eye Dam. 1, H318 Aquatic Chronic 2, H411
Benzenesulphonic acid, methyl mono-C 20 -C 24 branched alkyl derivatives, calcium salts	CAS-No.: 722503-68-6 EC-No.: 682-816-2	≥ 0.1 – ≤ 0.49	Skin Sens. 1B, H317 Aquatic Chronic 4, H413

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Specific concentration limits:		
Name	Product identifier	Specific concentration limits (%)
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	CAS-No.: 4259-15-8 EC-No.: 224-235-5 REACH-no: 01-2119493635- 27	(50 ≤ C < 100) Eye Dam. 1; H318 (50 ≤ C < 100) Eye Irrit. 2; H319
Longchain calcium alkaryl sulfonate	CAS-No.: 722503-68-6 EC-No.: 682-816-2	(2 ≤ C < 100) Skin Sens. 1B; H317

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.

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.

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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/m3 oilspray (TWA, 8 hour workday) is

recommended.

8.2. Exposure controls

Appropriate engineering controls

Technical measures:

No additional information available.

Personal protection equipment

Personal protective equipment:

Gloves. Safety glasses.

Personal protective equipment symbol(s):





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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					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 : Not available Melting point Freezing point : Not available Boiling point Not available Flammability (solid, gas) Not available Lower explosion limit : Not available Upper explosion limit : Not available

Flash point : > 220 °C @ ASTM D92

Auto-ignition temperature : Not available

Decomposition temperature : Not available

pH : Not available

Viscosity, kinematic : 74 mm²/s @ 40°C

Solubility : Slightly soluble, the product remains on the water surface.

Log Kow : Not available
Vapour pressure : Not available
Vapour pressure at 50°C : Not available
Density : 858 kg/m³ @ 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

SECTION 10: Stability and reactivity

10.1. Reactivity

None under normal conditions.

10.2. Chemical stability

Stable under normal conditions of use.

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

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

Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8)	
LD50 oral rat	3100 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
ATE CLP (oral)	3100 mg/kg bodyweight

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified (A specific ingredient in the product reduces the effect of eye irritation, which

is caused by the substance ZnDTP. Based on this information, the H319 classification will

be ignored.)

Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

MPM Motor Oil 10W-30 Premium Synthetic EHPD Truck FE

Viscosity, kinematic 74 mm²/s @ 40°C

Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts (68784-31-6)

Viscosity, kinematic ≈ 6.95 mm²/s @ 100.0°C

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 %

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SECTION 12: Ecological information

12.1. Toxicity

General : This product contains one or more components that have a branched alkyl phenol impurity

> very toxic to aquatic organisms (listed in Chapter 3). The components that contain the impurity have been tested and are not toxic to it aquatic organisms. Therefore, the data in Chapter 3 on the alkylphenol impurity cannot be used to classify the product whatever

concerns the toxicity to aquatic organisms.

Hazardous to the aquatic environment, short-term

(acute)

Hazardous to the aquatic environment, long-term

: Not classified : Not classified

(chronic)

(Hilling)		
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, (Danio rerio, 96h)	
EC50 Daphnia 1	> 100 mg/l OECD 202, (Daphnia magna, 24h)	
EC50 72h - Algae [1]	> 3 mg/l > 3 mg/l OECD 201, (Desmodesmus subspicatus, 72h)	
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8)		
LC50 fish 1	10 – 35 mg/l 96h Pimephales promelas (semi static)	
LC50 fish 2	1 – 5 mg/l 96h Pimephales promelas (static)	
EC50 Daphnia 1	1 – 1.5 mg/l 48h Daphnia magna	
EC50 other aquatic organisms 1	1 – 5 mg/l 96h Pseudokirchneriella subcapitata	
EC50 96h - Algae [1] 240 mg/l Scenedesmus Subspicatus OECD 201 @21d		
NOEC (chronic)	0.4 mg/l Daphnia Magna OECD211 @21d	
NOEC (acute) NOEC Acute 220 mg/l Scededesmus Subspicatus OECD 201-biomass		

12.2. Persistence and degradability

IPM Motor Oil 10W-30 Premium Synthetic EHPD Truck FE	
Persistence and degradability	Not soluble in water, so only minimally biodegradable.
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.	
Longchain calcium alkaryl sulfonate (722503-68-6)	
Persistence and degradability Rapidly degradable	
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8)	
Persistence and degradability Rapidly degradable	
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts (68784-31-6)	
Persistence and degradability Rapidly degradable	
Benzenesulphonic acid, methyl mono-C 20 -C 24 branched alkyl derivatives, calcium salts (722503-68-6)	
Persistence and degradability	Rapidly degradable

12.3. Bioaccumulative potential

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

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12.4. Mobility in soil

MPM Motor Oil 10W-30 Premium Synthetic EHPD Truck FE

Soil Prevent soil and water pollution.

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.

12.5. Results of PBT and vPvB assessment

MPM Motor Oil 10W-30 Premium Synthetic EHPD Truck FE

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Component

Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII

reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0), Longchain calcium alkaryl sulfonate (722503-68-6), Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8), Benzenesulphonic acid, methyl mono-C 20 -C 24 branched alkyl derivatives, calcium salts (722503-68-6)

Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII

reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0), Longchain calcium alkaryl sulfonate (722503-68-6), Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8), Benzenesulphonic acid, methyl mono-C 20 -C 24 branched alkyl derivatives, calcium salts (722503-68-6)

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

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Additional information : This material and its container must be disposed of in a safe way, and as per local

legislation.

European List of Waste (LoW, EC 2000/532) : 13 02 06* - synthetic engine, gear and lubricating oils

SECTION 14: Transport information

In accordance with ADR / IMDG

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

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ADR	IMDG	
14.5. Environmental hazards		
Not regulated Not regulated		
No supplementary information available		

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

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 chemical safety assessment has been carried out for the substance or the mixture by the supplier

SECTION 16: Other information

		Supersedes	Modified
Section Changed item		Changed item	Comments
	Indication of changes		

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Indication of changes		
Section	Changed item	Comments
	Revision date	Modified
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Removed
3	Composition/information on ingredients	Modified
4.1	After inhalation	Modified
9	Flash point	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 . ADNR: 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.

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	
EUH208	Contains: Longchain calcium alkaryl sulfonate, Benzenesulphonic acid, methyl mono-C 20 -C 24 branched alkyl derivatives, calcium salts. 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	
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 Sens. 1B	Skin sensitisation, category 1B	

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.

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