

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 09/01/2025 version: 1.0

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

1.1. Product identifier

Product form	: Mixture
Trade name	: MPM Motor Oil 5W-30 Premium Synthetic LFC Truck
Product code	: 05000LFC
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	: Industrial use, Professional use, Consumer use
Industrial/Professional use spec	: Used in closed systems
Use of the substance/mixture	: Automotive care products
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) EUH-statements	 P102 - Keep out of reach of children. EUH208 - Contains: 2,5-Furandione, polymer, Alkyl (C18-C28) toluene sulfonic acid, calcium salts, borated, Benzenesulphonic acid, methyl mono-C 20 -C 24 branched alkyl derivatives, calcium salts, Coconut oil, reaction products with boric acid (H3BO3), diethanolamine and glycerol. May produce an allergic reaction. EUH210 - Safety data sheet available on request.
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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 $\ge 0.1\%$ assessed in accordance with REACH Annex XIII

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	2,5-Furandione, polymer (873694-48-5), Benzenesulphonic acid, methyl mono-C 20 -C 24 branched alkyl derivatives, calcium salts (722503-68-6), Coconut oil, reaction products with boric acid (H3BO3), diethanolamine and glycerol (1428353-74-5)
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	2,5-Furandione, polymer (873694-48-5), Benzenesulphonic acid, methyl mono-C 20 -C 24 branched alkyl derivatives, calcium salts (722503-68-6), Coconut oil, reaction products with boric acid (H3BO3), diethanolamine and glycerol (1428353-74-5)

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	

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]
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 – ≤ 3.99	Aquatic Chronic 4, H413
2,5-Furandione, polymer	CAS-No.: 873694-48-5 EC-No.: 681-947-2	≥ 1 – ≤ 2.49	Skin Sens. 1, H317
Coconut oil, reaction products with boric acid (H3BO3), diethanolamine and glycerol	CAS-No.: 1428353-74-5 EC-No.: 806-731-9	≥ 0.1 – ≤ 0.99	Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411
Alkyl (C18-C28) toluene sulfonic acid, calcium salts, borated.	EC-No.: 953-650-0	≥ 0.1 – ≤ 0.24	Skin Sens. 1B, H317 Repr. 2, H361d
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 – ≤ 0.24	Skin Sens. 1B, H317

Specific	concentra	tion limits:
Opecific	concentra	tion minus.

Name	Product identifier	Specific concentration limits (%)
2,5-Furandione, polymer	CAS-No.: 873694-48-5 EC-No.: 681-947-2	(2.51 ≤ C < 100) Skin Sens. 1; H317
Alkyl (C18-C28) toluene sulfonic acid, calcium salts, borated.	EC-No.: 953-650-0	(2 ≤ C < 100) Skin Sens. 1B; H317 (17.15 ≤ C < 100) Repr. 2; H361d
Benzenesulphonic acid, methyl mono-C 20 -C 24 branched alkyl derivatives, calcium salts	CAS-No.: 722503-68-6 EC-No.: 682-816-2	(2 ≤ C < 100) Skin Sens. 1B; H317

Safety Data Sheet

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

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

SECTION 4: First aid measures		
4.1. Description of first aid measures		
After inhalation After skin contact After eye contact After ingestion	 Not required. Wash skin with mild soap and water. In case of eye contact, immediately rinse with clean water for 10-15 minutes. Do NOT induce vomiting. Rinse mouth out with water. Get immediate medical advice/attention. 	
4.2. Most important symptoms and effects	s, 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 Unsuitable extinguishing media	Water spray, powder, foam and CO2.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 Firefighting instructions Protection during firefighting	 Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. 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.		
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.

Safety Data Sheet

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

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 Other information	 Detergent. Clean up any spills as soon as possible, using an absorbent material to collect it. 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 Storage conditions Storage temperature	 Store in a closed container. Keep container closed when not in use. ≤ 40 °C 	

: Store in dry, well-ventilated area.

Storage 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):



Eye and face protection

Eye protection: Safety goggles

Safety Data Sheet

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

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					
Туре	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 a	nd chemical properties	
Physical state Colour Appearance Odour Odour threshold Melting point Freezing point Boiling point Flammability (solid, gas) Lower explosion limit Upper explosion limit Flash point Auto-ignition temperature Decomposition temperature pH Viscosity, kinematic Solubility Log Kow Vapour pressure Vapour pressure at 50°C Density Relative density Relative vapour density at 20°C Particle characteristics	 Liquid. Amber. Oily liquid. Characteristic. Not available Sightly soluble, the product remains on the water surface. Not available Not available Not available Not available Slightly soluble, the product remains on the water surface. Not available 	
9.2 Other information		

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.

Safety Data Sheet

SECTION 11: Toxicological information

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

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.

11.1. Information on hazard classes as defined	ed 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	5,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0)
LD50 oral rat	> 2000 mg/kg (OECD 401 method)
LD50 dermal rat	> 2000 mg/kg (OECD 402 method)
Coconut oil, reaction products with boric a	cid (H3BO3), diethanolamine and glycerol (1428353-74-5)
LD50 oral rat	> 200 mg/kg bodyweight Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)
LD50 dermal rat	> 2000 mg/kg bodyweight OECD Guideline 402 (Acute Dermal Toxicity)
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
Coconut oil, reaction products with boric a	cid (H3BO3), diethanolamine and glycerol (1428353-74-5)
NOAEL (animal/female, F0/P)	1000 mg/kg bodyweight
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
reaction mass of isomers of: C7-9-alkyl 3-(3	3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0)
NOAEL (oral, rat, 90 days)	5 mg/kg bodyweight OECD 407
Coconut oil, reaction products with boric a	cid (H3BO3), diethanolamine and glycerol (1428353-74-5)
NOAEL (dermal, rat/rabbit, 90 days)	1000 mg/kg bodyweight Animal: rat, OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)
Aspiration hazard	Not classified
MPM Motor Oil 5W-30 Premium Synthetic L	FC Truck
Viscosity, kinematic	59 mm²/s @ 40°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 %

Safety Data Sheet

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

SECTION 12: Ecological information		
12.1. Toxicity		
Hazardous to the aquatic environment, short–term : Not classified (acute) Hazardous to the aquatic environment, long–term : Not classified (chronic)		
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 @96h	
LC50 fish 2	100 mg/l @ 14d	
EC50 Daphnia 1	4.3 mg/l @ 24 h	
EC50 Daphnia 2	100 mg/l @ 48 h	
EC50 72h - Algae [1]	3 mg/l	
NOEC (chronic)	≤ 0.01 mg/l Daphnia magna @21d	
NOEC chronic fish	0.5 mg/l @ 36 d	
NOEC chronic algae	3 mg/l @ 72 h	
Alkyl (C18-C28) toluene sulfonic acid, calcium salts, borated.		
EC50 other aquatic organisms 1	1.2 mg/l	
Coconut oil, reaction products with boric acid (H3BO3), diethanolamine and glycerol (1428353-74-5)		
EC50 72h - Algae [1]	2.2 mg/l	
EC50 72h - Algae [2]	7.4 mg/l	
LOEC (chronic)	0.24 mg/l Daphnia magna Duration: '21 d'	
NOEC (chronic)	0.07 mg/l Daphnia magna Duration: '21 d'	
NOEC chronic fish	0.32 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '28 d'	

12.2. Persistence and degradability

MPM Motor Oil 5W-30 Premium Synthetic LFC Truck			
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	Not readily biodegradable.		
Biodegradation	1 % @28 d		
2,5-Furandione, polymer (873694-48-5)	2,5-Furandione, polymer (873694-48-5)		
Persistence and degradability	Rapidly degradable		
Alkyl (C18-C28) toluene sulfonic acid, calcium salts, borated.			
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		
Coconut oil, reaction products with boric acid (H3BO3), diethanolamine and glycerol (1428353-74-5)			
Persistence and degradability	Rapidly degradable		

Safety Data Sheet

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

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 mg/kg OECD 305 (Oncorhynchus mykiss, 35d)	
Bioconcentration factor (BCF REACH)	258 (OECD 305 method)	
Log Pow	9.2	
Bioaccumulative potential	Moderately bioaccumulative.	
12.4. Mobility in soil		
MPM Motor Oil 5W-30 Premium Synthetic LFC	Truck	
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)	
Log Koc	> 2000	
12.5. Results of PBT and vPvB assessment		
MPM Motor Oil 5W-30 Premium Synthetic LFC	Truck	
This substance/mixture does not meet the PBT criteria	of REACH regulation, annex XIII	
This substance/mixture does not meet the vPvB criteria	a of REACH regulation, annex XIII	
Component		
Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	2,5-Furandione, polymer (873694-48-5), Benzenesulphonic acid, methyl mono-C 20 -C 24 branched alkyl derivatives, calcium salts (722503-68-6), Coconut oil, reaction products with boric acid (H3BO3), diethanolamine and glycerol (1428353-74-5)	
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	2,5-Furandione, polymer (873694-48-5), Benzenesulphonic acid, methyl mono-C 20 -C 24 branched alkyl derivatives, calcium salts (722503-68-6), Coconut oil, reaction products with boric acid (H3BO3), diethanolamine and glycerol (1428353-74-5)	
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)

Inis material and its container must be disposed of in a sale way, and as periodal legislation.
 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		
Not regulated for transport		

Safety Data Sheet

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

ADR	IMDG	
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	
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)

Safety Data Sheet

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

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

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.

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: 2,5-Furandione, polymer, Alkyl (C18-C28) toluene sulfonic acid, calcium salts, borated, Benzenesulphonic acid, methyl mono-C 20 -C 24 branched alkyl derivatives, calcium salts, Coconut oil, reaction products with boric acid (H3BO3), diethanolamine and glycerol. May produce an allergic reaction.	
EUH210	Safety data sheet available on request.	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
H317	May cause an allergic skin reaction.	
H319	Causes serious eye irritation.	
H361d	Suspected of damaging the unborn child.	
H411	Toxic to aquatic life with long lasting effects.	
H413	May cause long lasting harmful effects to aquatic life.	
Repr. 2	Reproductive toxicity, Category 2	
Skin Sens. 1	Skin sensitisation, Category 1	
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.