

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 6-10-2010 Revision date: 23-7-2024 Supersedes: 14-2-2023 version: 7.0

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

1.1. Product identifier

Product form Trade name	: Mixture : MPM Compressor Oil 68
Product code	: 48000C
Type of product	: Other engine, gear and lubricating oils.
Product group	: Mixture

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

1.2.1. Relevant identified uses

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

Function or use category

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer

MPM International Oil Company BV Cyclotronweg 1 2629 HN Delft - Nederland T +31 (0)15 2514030 info@mpmoil.com - www.mpmoil.com

1.4. Emergency telephone number

Emergency number

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

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER	+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]

Hazardous to the aquatic environment – Chronic Hazard, Category 3 Full text of H- and EUH-statements: see section 16 H412

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Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements		
Labelling according to Regulation (EC) No. 1272/2008 [CLP]		
CLP Signal word	:-	
Hazard statements (CLP)	: H412 - Harmful to aquatic life with long lasting effects.	
Precautionary statements (CLP)	: P102 - Keep out of reach of children.	
	P273 - Avoid release to the environment.	
	P501 - Dispose of contents/container in accordance with local and national regulations.	
EUH-statements	: EUH208 - Contains: Arylamine. May produce an allergic reaction.	

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

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 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Comments

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

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons C10-C13, Aromatics, >1% Naphtalene	EC-No.: 926-273-4 REACH-no: 01-2119451151- 53	≥ 0,1 – ≤ 0,99	Carc. 2, H351 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Alkylphenol (2,6-di-tert-butylphenol)	CAS-No.: 128-39-2 EC-No.: 204-884-0 REACH-no: 01-2119490822- 33	≥ 0,1 – ≤ 0,35	Skin Irrit. 2, H315 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410
Arylamine	CAS-No.: 90-30-2 EC-No.: 201-983-0	≥ 0,1 - ≤ 0,2	Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317 STOT RE 2, H373 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410
Naphthalene	CAS-No.: 91-20-3 EC-No.: 202-049-5	≥ 0,1 – ≤ 0,2	Acute Tox. 4 (Oral), H302 Carc. 2, H351 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)

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.

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After skin contact After eye contact	: Wash skin with mild soap and water. : 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 effec	ts, 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 processions, protectiv	ve equipment and emergency procedures	
o. i. Personal precautions, protectiv	ve equipment and emergency procedures	
General measures	: If spilled, may cause the floor to be slippery.	
6.1.1. For non-emergency personnel		
Protective equipment	: Gloves. Safety glasses.	
Emergency procedures	: Do not breathe vapours.	
6.1.2. 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

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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 Storage area	 Store in a closed container. Keep container closed when not in use. ≤ 40 °C 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

8.1.1. National occupational exposure and biological limit values

Naphthalene (91-20-3)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOELV TWA (mg/m ³)	50 mg/m³
IOELV TWA (ppm) 10 ppm	
United Kingdom - Occupational Exposure Limits	
WEL TWA (mg/m ³) 50 mg/m ³	

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

Additional information

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

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Technical measures:

No additional information available.

8.2.2. Personal protection equipment

Personal protective equipment: Gloves. Safety glasses.

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Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety goggles

8.2.2.2. 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

8.2.2.3. Respiratory protection

Respiratory protection:

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

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

No additional information available

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	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not available
Explosive limits	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: > 200 °C @ ASTM D92
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: 68 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	: 878 kg/m³ @ 15°C
Relative density	: Not available
Relative vapour density at 20°C	: Not available

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Particle size	: Not applicable
Particle size distribution	: Not applicable
Particle shape	: Not applicable
Particle aspect ratio	: Not applicable
Particle aggregation state	: Not applicable
Particle agglomeration state	: Not applicable
Particle specific surface area	: Not applicable
Particle dustiness	: Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

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.

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	d in Regulation (EC) No 1272/2008	
Acute toxicity (dermal) :	Not classified (Based on available data, the classification criteria are not met.) Not classified (Based on available data, the classification criteria are not met.) Not classified (Based on available data, the classification criteria are not met.)	
Hydrocarbons C10-C13, Aromatics, >1% Naph	ntalene	
LD50 oral rat	> 5000 mg/kg	
LD50 dermal rabbit	> 2000 mg/kg	
LC50 Inhalation - Rat	590 mg/l 1h	
ATE CLP (vapours)	590 mg/l/4h	
ATE CLP (dust,mist)	590 mg/l/4h	
Alkylphenol (2,6-di-tert-butylphenol) (128-39-2)		
LD50 oral rat	> 5000 mg/kg bodyweight	
LD50 dermal rabbit	> 2000 mg/kg	

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Arylamine (90-30-2)	
LD50 oral rat	≈ 1625 mg/kg bodyweight
LD50 dermal rabbit	> 5000 mg/kg bodyweight
ATE CLP (oral)	500 mg/kg bodyweight
Naphthalene (91-20-3)	
LD50 oral rat	> 490 mg/kg
LD50 dermal rat	> 2200 mg/kg
LC50 Inhalation - Rat	> 500 mg/m³ 8h
ATE CLP (oral)	500 mg/kg bodyweight
Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitisation Germ cell mutagenicity Carcinogenicity Reproductive toxicity	 Not classified (Based on available data, the classification criteria are not met.) Not classified (Based on available data, the classification criteria are not met.) Not classified (Based on available data, the classification criteria are not met.) Not classified (Based on available data, the classification criteria are not met.) Not classified (Based on available data, the classification criteria are not met.) Not classified (Based on available data, the classification criteria are not met.) Not classified (Based on available data, the classification criteria are not met.) Not classified (Based on available data, the classification criteria are not met.)
Arylamine (90-30-2)	
NOAEL (animal/male, F0/P)	< 40 mg/kg bodyweight
NOAEL (animal/female, F0/P)	< 46 mg/kg bodyweight
STOT-single exposure STOT-repeated exposure Hydrocarbons C10-C13, Aromatics, >1% Na	 Not classified (Based on available data, the classification criteria are not met.) Not classified (Based on available data, the classification criteria are not met.)
NOAEL (oral, rat, 90 days)	300 mg/kg bodyweight OECD 408, EPA OPP 82-1
Alkylphenol (2,6-di-tert-butylphenol) (128-3	9-2)
NOAEL (oral, rat, 90 days)	100 mg/kg bodyweight
Arylamine (90-30-2)	
LOAEL (oral, rat, 90 days)	20 mg/kg bodyweight
NOAEL (oral, rat, 90 days)	80 mg/kg bodyweight
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met.)
MPM Compressor Oil 68	
Viscosity, kinematic	68 mm²/s @ 40°C

11.2. Information on other hazards

11.2.1. 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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11.2.2. Other information

SECTION 12: Ecological information		
12.1. Toxicity		
(acute)	Not classified (Based on available data, the classification criteria are not met.) Harmful to aquatic life with long lasting effects.	
Hydrocarbons C10-C13, Aromatics, >1% Naphtalene		
LC50 fish 1	607,9 mg/l Bateria	
LC50 fish 2	2 mg/l Oncorhynchus mykiss	
EC50 Daphnia 1	3 mg/l Dapnia Magna	
Alkylphenol (2,6-di-tert-butylphenol) (128-39-2)		
LC50 fish 1	1,4 mg/l Pimephales promelas	
EC50 72h - Algae [1]	3,6 mg/l Pseudokirchneriella subcapitata	
EC50 72h - Algae [2]	1,4 mg/l Pseudokirchneriella subcapitata	
EC50 96h - Algae [1]	3,9 mg/l Pseudokirchneriella subcapitata	
EC50 96h - Algae [2]	1,2 mg/l Pseudokirchneriella subcapitata	
LOEC (chronic)	0,086 mg/l Daphnia magna @21d	
NOEC (chronic)	0,035 mg/l Daphnia magna @21d	
Arylamine (90-30-2)		
LC50 fish 1	0,44 mg/l	
LOEC (chronic)	0,1 mg/l	
Naphthalene (91-20-3)		
LC50 fish 1	≈ 1,6 mg/l Oncorhynchus mykiss	
LC50 other aquatic organisms 2	2,16 mg/l @48h Daphnia magna	
EC50 Daphnia 1	≈ 1,96 mg/l @48h Daphnia magna	
EC50 other aquatic organisms 1	≈ 0,93 mg/l 30 min	
EC50 other aquatic organisms 2	> 20 mg/l 18h	
12.2. Persistence and degradability		
MPM Compressor Oil 68		
Persistence and degradability	Not soluble in water, so only minimally biodegradable.	
12.3. Bioaccumulative potential		
No additional information available		
12.4. Mobility in soil		
MPM Compressor Oil 68		
Soil	Prevent soil and water pollution.	

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MPM Compressor Oil 68
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

12.6. Endocrine disrupting properties

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

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal consideration	s
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 05* - mineral-based non-chlorinated engine, gear and lubricating oils

SECTION 14: Transport information	
In accordance with ADR / IMDG	
14.1. UN number or ID number	
UN-No. UN-No. (IMDG)	: Not regulated : Not regulated
14.2. UN proper shipping name	
Proper Shipping Name (ADR) Proper Shipping Name (IMDG)	: Not regulated : Not regulated
14.3. Transport hazard class(es)	
ADR Transport hazard class(es) (ADR)	: Not regulated
IMDG Transport hazard class(es) (IMDG)	: Not regulated
14.4. Packing group	
Packing group (ADR) Packing group (IMDG)	: Not regulated : Not regulated
14.5. Environmental hazards	
Dangerous for the environment Marine pollutant Other information	 No No supplementary information available
14.6. Special precautions for user	

Overland transport

Not regulated

Transport by sea Not regulated

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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

15.1.1. EU-Regulations

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

Contains no substance(s) listed on the REACH Candidate List

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

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

SECTION 16: Other information

Abbreviations and acronyms		
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
ATE	Acute Toxicity Estimate	
BCF	Bioconcentration factor	
BLV	Biological limit value	
BOD	Biochemical oxygen demand (BOD)	
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008	
COD	Chemical oxygen demand (COD)	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC50	Median effective concentration	
ED	Endocrine disrupting properties	
EC-No.	European Community number	
vPvB	Very Persistent and Very Bioaccumulative	
SDS	Safety Data Sheet	
TRGS	Technical Rules for Hazardous Substances	
TLM	Median Tolerance Limit	
ThOD	Theoretical oxygen demand (ThOD)	
STP	Sewage treatment plant	
PNEC	Predicted No-Effect Concentration	
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
РВТ	Persistent Bioaccumulative Toxic	

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Abbreviations and acronyms	
OEL	Occupational Exposure Limit
OECD	Organisation for Economic Co-operation and Development
NOEC	No-Observed Effect Concentration
NOAEC	No-Observed Adverse Effect Concentration
LOAEL	Lowest Observed Adverse Effect Level
LD50	Median lethal dose
N.O.S.	Not Otherwise Specified
NOAEL	No-Observed Adverse Effect Level
LC50	Median lethal concentration
IOELV	Indicative Occupational Exposure Limit Value
ΙΑΤΑ	International Air Transport Association
IARC	International Agency for Research on Cancer
IMDG	International Maritime Dangerous Goods
EN	European Standard

Data sources Training advice : Supplier's safety documents. ECHA (European Chemicals Agency).

: Normal use of this product shall imply use in accordance with the instructions on the packaging.

Other information

: The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

Full text of H- and EUH-statements	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 2	Carcinogenicity, Category 2
EUH208	Contains: Arylamine. May produce an allergic reaction.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.

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Full text of H- and EUH-statements	
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2

SDS MPM REACH

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.