



MPM Power Steering Fluid H

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 05/04/2016 Revision date: 13/12/2024 Supersedes: 29/07/2024 version: 3.1

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

1.1. Product identifier

Product form : Mixture
Trade name : MPM Power Steering Fluid H
Product code : 50000H
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

Country/Area	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)	

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, H412
Category 3
Full text of H- and EUH-statements: see section 16

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.

2.3. Other hazards

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

MPM Power Steering Fluid H

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	Ethanol, 2,2'-iminobis-,N-tallow alkyl derivates (61791-44-4), Distillates (petroleum), solvent-refined light paraffinic; Baseoil—unspecified. (64742-65-0), 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol (95-38-5)(¹), Distillates(petroleum), hydrotreated heavy paraffinic (64742-54-7), 1-Decene, homopolymer, hydrogenated* (68037-01-4), Distillates (petroleum), hydrotreated light paraffinic, Baseoil (64742-55-8)
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	Ethanol, 2,2'-iminobis-,N-tallow alkyl derivates (61791-44-4), Distillates (petroleum), solvent-refined light paraffinic; Baseoil—unspecified. (64742-65-0), 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol (95-38-5)(¹), Distillates(petroleum), hydrotreated heavy paraffinic (64742-54-7), 1-Decene, homopolymer, hydrogenated* (68037-01-4), Distillates (petroleum), hydrotreated light paraffinic, Baseoil (64742-55-8)

(¹) Substance(s) in concentration below 0.1 % and displayed on a voluntary basis

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	1-Decene, homopolymer, hydrogenated* (68037-01-4), Distillates (petroleum), hydrotreated light paraffinic, Baseoil (64742-55-8), Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4), Distillates (petroleum), solvent-refined light paraffinic; Baseoil—unspecified. (64742-65-0), Distillates(petroleum), hydrotreated heavy paraffinic (64742-54-7), Ethanol, 2,2'-iminobis-,N-tallow alkyl derivates (61791-44-4), 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol (95-38-5)(¹)

(¹) Substance(s) in concentration below 0.1 % and displayed on a voluntary basis

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]
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil base oil - unspecified	CAS-No.: 72623-86-0 EC-No.: 276-737-9 EC Index-No.: 649-482-00-X REACH-no: 01-2119474878-16	≥ 25 – < 45	Asp. Tox. 1, H304
Dec-1-ene, trimers, hydrogenated	CAS-No.: 157707-86-3 EC-No.: 500-393-3 REACH-no: 01-2119493949-12	≥ 25 – < 45	Asp. Tox. 1, H304
1-Decene, homopolymer, hydrogenated*	CAS-No.: 68037-01-4 EC-No.: 500-183-1	≥ 15 – < 25	Not classified
Distillates (petroleum), hydrotreated light paraffinic, Baseoil	CAS-No.: 64742-55-8 EC-No.: 265-158-7 REACH-no: 01-2119487077-29	≥ 1 – < 5	Not classified

MPM Power Steering Fluid H

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]
Distillates (petroleum), solvent-refined heavy paraffinic	CAS-No.: 64741-88-4 EC-No.: 265-090-8 EC Index-No.: 649-454-00-7 REACH-no: 01-2119488706-23	≥ 0.1 – < 1	Not classified
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy)derivs., C10-rich	CAS-No.: 398141-87-2 EC-No.: 800-172-4 REACH-no: 01-2119969520-35	≥ 0.3 – < 1	Aquatic Chronic 2, H411
Distillates (petroleum), solvent-refined light paraffinic; Baseoil—unspecified.	CAS-No.: 64742-65-0 EC-No.: 265-169-7 EC Index-No.: 649-474-00-6	≥ 0.3 – < 1	Not classified
Distillates(petroleum), hydrotreated heavy paraffinic	CAS-No.: 64742-54-7 EC-No.: 265-157-1 EC Index-No.: 649-467-00-8 REACH-no: 01-2119484627-25	≥ 0.3 – < 1	Not classified
Ethanol, 2,2'-iminobis-,N-tallow alkyl derivatives	CAS-No.: 61791-44-4 EC-No.: 263-177-5	< 0.3	Acute Tox. 4 (Oral), H302 Skin Corr. 1C, H314 Eye Dam. 1, H318 STOT RE 2, H373 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410
2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol	CAS-No.: 95-38-5 EC-No.: 202-414-9 REACH-no: 01-2119777867-13	< 0.1	Acute Tox. 4 (Oral), H302 Skin Corr. 1C, H314 Eye Dam. 1, H318 STOT RE 2, H373 Aquatic Acute 1, H400 (M=10) 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.
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

MPM Power Steering Fluid H

Safety Data Sheet

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

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

- Hazardous decomposition products in case of fire : Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases.

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.

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.

MPM Power Steering Fluid H

Safety Data Sheet

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

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

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	: Not available
Freezing point	: -51 @ ASTM D7346
Boiling point	: Not available
Flammability (solid, gas)	: Not available
Lower explosion limit	: Not available

MPM Power Steering Fluid H

Safety Data Sheet

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

Upper explosion limit	: Not available
Flash point	: > 201 °C @ ASTM D92
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: 56 mm ² /s @ 40°C (ASTM D7042)
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	: 848 kg/m ³ @ 15°C (ASTM D4052)
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.

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.

10.6. Hazardous decomposition products

Carbon dioxide. Protection against nuisance dust particles must be used when the concentration in the air is higher than 10 mg/m³.

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

Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)

LD50 oral rat	> 5000 mg/kg bodyweight
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Ethanol, 2,2'-iminobis-,N-tallow alkyl derivatives (61791-44-4)

LD50 oral rat	1350 mg/kg
ATE CLP (oral)	1350 mg/kg bodyweight

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil base oil - unspecified (72623-86-0)

LD50 oral rat	> 5000 mg/kg bodyweight
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MPM Power Steering Fluid H

Safety Data Sheet

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

Dec-1-ene, trimers, hydrogenated (157707-86-3)	
LD50 dermal rat	> 2000 mg/kg bodyweight OECD 402
2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol (95-38-5)	
ATE CLP (oral)	500 mg/kg bodyweight
1-Decene, homopolymer, hydrogenated* (68037-01-4)	
LD50 dermal rat	> 2000 mg/kg bodyweight OECD 402
Distillates (petroleum), hydrotreated light paraffinic, Baseoil (64742-55-8)	
LD50 oral rat	> 5000 mg/kg bodyweight OECD Guideline 401
LC50 Inhalation - Rat (Dust/Mist)	≥ mg/l/4h
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	
LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight
NOAEL (dermal, rat/rabbit, 90 days)	≈ 1000 mg/kg bodyweight
Ethanol, 2,2'-iminobis-,N-tallow alkyl derivatives (61791-44-4)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil base oil - unspecified (72623-86-0)	
LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight
2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol (95-38-5)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Distillates (petroleum), hydrotreated light paraffinic, Baseoil (64742-55-8)	
LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight OECD 408)
NOAEC (subacute, inhalation, 28 days)	≤ mg/l
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	> 0.98 mg/l air OECD 412 @ 28d
Aspiration hazard	: Not classified
MPM Power Steering Fluid H	
Viscosity, kinematic	56 mm²/s @ 40°C (ASTM D7042)
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	
Viscosity, kinematic	73 mm²/s (40 °C) (ASTM D 445)
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil base oil - unspecified (72623-86-0)	
Viscosity, kinematic	1.99 – 847 mm²/s @ 40°C
Distillates(petroleum), hydrotreated heavy paraffinic (64742-54-7)	
Viscosity, kinematic	1.99 – 847 mm²/s @ 40°C
Hydrocarbon	Yes

MPM Power Steering Fluid H

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 %

SECTION 12: Ecological information

12.1. Toxicity

General : Harmful to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute) : Not classified
Hazardous to the aquatic environment, long-term (chronic) : Harmful to aquatic life with long lasting effects.

Ethanol, 2,2'-iminobis-,N-tallow alkyl derivates (61791-44-4)

LC50 fish 1	1 mg/l @ 96h
EC50 Daphnia 1	1 mg/l @ 48h

Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy)derivs., C10-rich (398141-87-2)

LC50 fish 1	2.4 mg/l Oncorhynchus mykiss
LC50 fish 2	3.3 mg/l Cyprinodon variegatus
EC50 Daphnia 1	4.6 mg/l Daphnia Magna
EC50 72h - Algae [1]	63 mg/l Selenastrum capricornutum
NOEC chronic fish	1 mg/l @4d Oncorhynchus mykiss
NOEC chronic crustacea	0.63 mg/l 2d Daphnia magna
NOEC chronic algae	0.313 mg/l 3d Selenastrum capricornutum

2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol (95-38-5)

LC50 fish 1	0.3 mg/l Brachydanio rerio
EC50 Daphnia 1	0.163 mg/l Daphnia magna
EC50 Daphnia 2	0.34 mg/l
EC50 72h - Algae [1]	0.03 mg/l
NOEC chronic algae	0.011 mg/l

12.2. Persistence and degradability

MPM Power Steering Fluid H

Persistence and degradability	Rapidly degradable
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Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)

Persistence and degradability	Rapidly degradable
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Ethanol, 2,2'-iminobis-,N-tallow alkyl derivates (61791-44-4)

Persistence and degradability	Rapidly degradable
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Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy)derivs., C10-rich (398141-87-2)

Persistence and degradability	Not readily biodegradable.
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MPM Power Steering Fluid H

Safety Data Sheet

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

Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy)derivs., C10-rich (398141-87-2)	
BOD (% of ThOD)	9.6 % ThOD Thod 28d OECD TG 301F
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil base oil - unspecified (72623-86-0)	
Persistence and degradability	Rapidly degradable
Dec-1-ene, trimers, hydrogenated (157707-86-3)	
Persistence and degradability	Rapidly degradable
Distillates (petroleum), solvent-refined light paraffinic; Baseoil—unspecified. (64742-65-0)	
Persistence and degradability	The product is not biodegradable.
2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol (95-38-5)	
Persistence and degradability	Rapidly degradable
Distillates(petroleum), hydrotreated heavy paraffinic (64742-54-7)	
Persistence and degradability	Rapidly degradable
1-Decene, homopolymer, hydrogenated* (68037-01-4)	
Persistence and degradability	Rapidly degradable
Distillates (petroleum), hydrotreated light paraffinic, Baseoil (64742-55-8)	
Persistence and degradability	Rapidly degradable

12.3. Bioaccumulative potential

Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy)derivs., C10-rich (398141-87-2)	
Bioconcentration factor (BCF REACH)	27.54
Log Kow	4.1
Bioaccumulative potential	Bioaccumulation possible.
Distillates (petroleum), solvent-refined light paraffinic; Baseoil—unspecified. (64742-65-0)	
Bioconcentration factor (BCF REACH)	260
2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol (95-38-5)	
Log Kow	> 7

12.4. Mobility in soil

Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy)derivs., C10-rich (398141-87-2)	
Soil	Adsorbs into the soil.

12.5. Results of PBT and vPvB assessment

Component	
Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	Ethanol, 2,2'-iminobis-,N-tallow alkyl derivates (61791-44-4), Distillates (petroleum), solvent-refined light paraffinic; Baseoil—unspecified. (64742-65-0), 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol (95-38-5)(¹), Distillates(petroleum), hydrotreated heavy paraffinic (64742-54-7), 1-Decene, homopolymer, hydrogenated* (68037-01-4), Distillates (petroleum), hydrotreated light paraffinic, Baseoil (64742-55-8)

MPM Power Steering Fluid H

Safety Data Sheet

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

Component

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

Ethanol, 2,2'-iminobis-,N-tallow alkyl derivates (61791-44-4), Distillates (petroleum), solvent-refined light paraffinic; Baseoil—unspecified. (64742-65-0), 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol (95-38-5)(¹), Distillates(petroleum), hydrotreated heavy paraffinic (64742-54-7), 1-Decene, homopolymer, hydrogenated* (68037-01-4), Distillates (petroleum), hydrotreated light paraffinic, Baseoil (64742-55-8)

(¹) Substance(s) in concentration below 0.1 % and displayed on a voluntary basis

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

HP Code

: HP5 - "Specific Target Organ Toxicity (STOT)/Aspiration Toxicity:" waste which can cause specific target organ toxicity either from a single or repeated exposure, or which cause acute toxic effects following aspiration.

SECTION 14: Transport information

In accordance with ADR / IMDG

ADR	IMDG
14.1. UN number or ID number	
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
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

MPM Power Steering Fluid H

Safety Data Sheet

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

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

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 disruptor
EC-No.	European Community number
vPvB	Very Persistent and Very Bioaccumulative

MPM Power Steering Fluid H

Safety Data Sheet

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

Abbreviations and acronyms:	
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
PBT	Persistent Bioaccumulative Toxic
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
IATA	International Air Transport Association
IARC	International Agency for Research on Cancer
IMDG	International Maritime Dangerous Goods
EN	European Standard

Data sources	: Supplier's safety documents. ECHA (European Chemicals Agency).
Training advice	: 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
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1

MPM Power Steering Fluid H

Safety Data Sheet

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

Full text of H- and EUH-statements:	
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
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 Corr. 1C	Skin corrosion/irritation, Category 1, Sub-Category 1C
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2

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.