



MPM E10 Fuel Protector

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 20/02/2019 Revision date: 05/11/2025 Supersedes: 25/10/2023 version: 5.0

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

1.1. Product identifier

Product form : Mixture
Trade name : MPM E10 Fuel Protector
UFI : YSMU-OSMG-S109-7V6C
Product code : AD03000
Type of product : Additives
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, Industrial use
Use of the substance/mixture : Additives for gasoline fuel.
Function or use category : Fuel 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	Emergency number
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)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Serious eye damage/eye irritation, Category 2 H319
Aspiration hazard, Category 1 H304
Hazardous to the aquatic environment – Chronic Hazard, Category 3 H412

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]

Hazard pictograms (CLP) :



GHS07

GHS08

CLP Signal word : DANGER.

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Contains	: Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cycloalkanes, <2% aromatics.; Solvent naphtha (petroleum), heavy arom.; Kerosine— unspecified; Hydrocarbons, C10-C13, n-alkanes, <2% aromatics; Distillates (petroleum), hydrotreated light; Kerosene - unspecified
Hazard statements (CLP)	: H304 - May be fatal if swallowed and enters airways. H319 - Causes serious eye irritation. H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements (CLP)	: P102 - Keep out of reach of children. P264 - Wash immediately flush the contact area with plenty of water thoroughly after handling. P280 - Wear protective gloves, protective clothing, eye protection, face protection. P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor. P331 - Do NOT induce vomiting. P501 - Dispose of contents/container in accordance with local and national regulations.
EUH-statements	: EUH066 - Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

Other hazards not contributing to the classification : Restricted to professional users.

Contains no PBT and/or vPvB substances $\geq 0.1\%$ 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

3.2. Mixtures

Comments : Mixture of substances listed below, possibly with non-hazardous additions.

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cycloalkanes, <2% aromatics.	EC-No.: 918-481-9 REACH-no: 01-2119457273-39	$\geq 80 - \leq 95$	Asp. Tox. 1, H304 EUH066
Solvent naphtha (petroleum), heavy arom.; Kerosine— unspecified	CAS-No.: 64742-94-5 EC-No.: 265-198-5 EC Index-No.: 649-424-00-3 REACH-no: 01-2119510128-50	$\geq 1 - \leq 3$	STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Hydrocarbons, C10-C13, n-alkanes, <2% aromatics	EC-No.: 929-018-5 REACH-no: 01-2119475608-26	$\geq 1 - \leq 3$	Asp. Tox. 1, H304 EUH066
Distillates (petroleum), hydrotreated light; Kerosene - unspecified	CAS-No.: 64742-47-8 EC-No.: 265-149-8 EC Index-No.: 649-422-00-2	$\geq 1 - \leq 3$	Asp. Tox. 1, H304
Potassium 1,2-bis(2-ethylhexyloxycarbonyl)ethanesulphonate	CAS-No.: 7491-09-0 EC-No.: 231-308-5 EC Index-No.: 231-308-5	$\geq 1 - \leq 3$	Skin Irrit. 2, H315 Eye Dam. 1, H318
1-Propene, 2-methyl-, homopolymer, hydroformylation products, reaction products with ammonia	CAS-No.: 337367-30-3 EC-No.: 694-933-6	$\geq 1 - \leq 3$	Skin Irrit. 2, H315 Aquatic Chronic 3, H412

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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	< 1	Carc. 2, H351 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 EUH066
Naphthalene	CAS-No.: 91-20-3 EC-No.: 202-049-5 REACH-no: 01-2119561346-37	< 1	Flam. Sol. 1, H228 Acute Tox. 4 (Oral), H302 Carc. 2, H351 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)
1,2,4-trimethylbenzene	CAS-No.: 95-63-6 EC-No.: 202-436-9 EC Index-No.: 601-043-00-3	< 0.25	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Ferrocene	CAS-No.: 102-54-5 EC-No.: 203-039-3 REACH-no: 01-21199778280-34	< 0.25	Flam. Sol. 1, H228 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Repr. 1B, H360 STOT RE 2, H373 Aquatic Chronic 1, H410 (M=10)

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General	: IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician. If medical advice is needed, have product container or label at hand. Never give an unconscious person water or anything like that.
After inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice. If unconscious, place in the recovery position and seek medical advice.
After skin contact	: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Do not use solvents or thinners. If skin irritation or rash occurs: Get medical advice/attention.
After eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
After ingestion	: IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. Swallowing the liquid may cause aspiration into the lungs with the risk of chemical pneumonitis.

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

Symptoms/effects	: Headache. Overexposure to this material may result in methemoglobinemia. Naphthalene. Aspiration hazard, Category 1.
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4.3. Indication of any immediate medical attention and special treatment needed

IF exposed: (If swallowed, seek medical advice immediately and show this container or label).

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SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂). Water spray.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

- Reactivity in case of fire : Fire will develop dense smoke. Closed packages exposed to heat, cool with water.
Hazardous decomposition products in case of fire : Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases. Decomposition products may be a hazard to health.

5.3. Advice for firefighters

- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.
In case of direct contact with the chemicals immediately call a POISON CENTER or doctor.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Avoid contact with spilled material.
- For non-emergency personnel**
- Protective equipment : Wear suitable protective clothing and gloves.
Emergency procedures : Avoid contact with skin and eyes. Do not breathe vapours.
- For emergency responders**
- Protective equipment : Wear respiratory protection.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid 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.
Other information : Provide adequate ventilation.

6.4. Reference to other sections

Information on safe handling - see Section 7. Information on personal protective equipment - see Chapter 8. See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : Avoid contact with spilled material.
Precautions for safe handling : If necessary, install catchments/basins to protect the environment from leakage.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Ensure adequate ventilation, especially in confined areas. Product must only be kept in the original packaging.
Storage conditions : Protect from sunlight. Store in a well-ventilated place. Store in a well-ventilated place. Keep cool.
Incompatible materials : Strong acids. Strong bases. Strong oxidizing agents. Strong reducing agents.

7.3. Specific end use(s)

This product may only be used for the purposes described in section 1.2.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure and biological limit values

1,2,4-trimethylbenzene (95-63-6)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOELV TWA (mg/m ³)	100 mg/m ³ 08-06-2000
IOELV TWA (ppm)	25 ppm 08-06-2000
Distillates (petroleum), hydrotreated light; Kerosene - unspecified (64742-47-8)	
EU - Binding Occupational Exposure Limit (BOEL)	
BOEL TWA	1200 mg/m ³ 8h
Naphthalene (91-20-3)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOELV TWA (mg/m ³)	50 mg/m ³
IOELV TWA (ppm)	10 ppm

DNEL and PNEC

Additional information

: Workplace exposure limit (WEL) of the total hydrocarbon solvent content of the mixture (RCP method according to EH40) 1200mg/m³

8.2. Exposure controls

Personal protection equipment

Personal protective equipment:

Protective goggles. Gloves. Dustproof clothing.

Personal protective equipment symbol(s):



Eye and face protection

Eye protection:

Wear tight fitting safety glasses or facial screen

Eye protection			
Type	Field of application	Characteristics	Standard
Safety glasses	Use splash goggles when eye contact due to splashing is possible	With side shields	EN 166

Skin protection

Skin and body protection:

Long sleeved protective clothing

Hand protection:

Protective gloves

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Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Gloves	Nitrile rubber (NBR)	5 (> 240 minutes)	> 0,38		EN 388, EN 374-2, EN 374-3

Other skin protection

Materials for protective clothing:

Impermeable clothing

Respiratory protection

Respiratory protection:

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

Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Yellow.
Appearance	: Liquid.
Odour	: Characteristic.
Odour threshold	: Not available
Melting point	: No data available
Freezing point	: Not available
Boiling point	: > 168 °C
Flammability (solid, gas)	: No data available
Explosive properties	: Product is not explosive.
Lower explosion limit	: 0.6 Vol-%
Upper explosion limit	: 7 Vol-%
Flash point	: 62 °C
Auto-ignition temperature	: Not available
Decomposition temperature	: No data available
pH	: Not available
Viscosity, kinematic	: < 20 mm ² /s Not determined.
Viscosity, dynamic	: Not determined.
Solubility	: Insoluble in water.
Log Kow	: Not available
Vapour pressure	: Not determined.
Vapour pressure at 50°C	: Not available
Density	: 800 kg/m ³ @ 20 °C
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

9.2. Other information

Other safety characteristics

Other properties : No oxidising properties

SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts violently with oxidizing substances.

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10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong oxidizing agent. Strong acids. Strong bases. Strong oxidizing agents.

10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

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

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

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cycloalkanes, <2% aromatics.

LD50 oral rat	> 5000 mg/kg OESO 401
LD50 dermal rabbit	> 5000 mg/kg OESO 402
LC50 Inhalation - Rat	> 5000 mg/m ³ OESO 401 @4h

Solvent naphtha (petroleum), heavy arom.; Kerosine— unspecified (64742-94-5)

LC50 Inhalation - Rat	> 590 mg/l/4h
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Hydrocarbons, C10-C13, n-alkanes, <2% aromatics

LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 5000 mg/kg
LC50 Inhalation - Rat	> 4951 mg/m ³ @ 4h

1,2,4-trimethylbenzene (95-63-6)

LD50 oral rat	2040 mg/kg
LD50 dermal rabbit	3160 mg/kg
LC50 Inhalation - Rat	18000 mg/m ³ 4h
ATE CLP (oral)	2040 mg/kg bodyweight
ATE CLP (dermal)	3160 mg/kg bodyweight
ATE CLP (gases)	4500 ppmv/4h
ATE CLP (vapours)	18 mg/l/4h
ATE CLP (dust,mist)	1.5 mg/l/4h

Distillates (petroleum), hydrotreated light; Kerosene - unspecified (64742-47-8)

LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg bodyweight OECD Guideline 402 (EPA OTS 798.1100)

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Distillates (petroleum), hydrotreated light; Kerosene - unspecified (64742-47-8)	
LC50 Inhalation - Rat	> 5.28 mg/l air OECD 403 (95% CL: 0,42 -)
LC50 Inhalation - Rat (Vapours)	> 21 mg/l/4h
Hydrocarbons C10-C13, Aromatics, >1% Naphtalene	
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
Ferrocene (102-54-5)	
LD50 oral rat	1320 mg/kg
LD50 dermal rat	> 3000 mg/kg bodyweight OECD 402
ATE CLP (oral)	1320 mg/kg bodyweight
ATE CLP (gases)	4500 ppmv/4h
ATE CLP (vapours)	11 mg/l/4h
ATE CLP (dust,mist)	1.5 mg/l/4h
Potassium 1,2-bis(2-ethylhexyloxycarbonyl)ethanesulphonate (7491-09-0)	
LD50 dermal rabbit	> 10000 mg/kg bodyweight OECD 402 male
Naphthalene (91-20-3)	
LD50 oral rat	> 490 mg/kg
ATE CLP (oral)	500 mg/kg bodyweight
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met.)
Additional information	: Based on available data, the classification criteria are not met.
Serious eye damage/irritation	: Causes serious eye irritation.
Additional information	: Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met.)
Additional information	: Based on available data, the classification criteria are not met.
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met.)
Additional information	: Based on available data, the classification criteria are not met.
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met.)
Additional information	: Based on available data, the classification criteria are not met.
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met.)
Distillates (petroleum), hydrotreated light; Kerosene - unspecified (64742-47-8)	
NOAEL (animal/male, F0/P)	≥ 3000 mg/kg bodyweight
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met.)
Solvent naphtha (petroleum), heavy arom.; Kerosine— unspecified (64742-94-5)	
STOT-single exposure	May cause drowsiness or dizziness.
1,2,4-trimethylbenzene (95-63-6)	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met.)
Distillates (petroleum), hydrotreated light; Kerosene - unspecified (64742-47-8)	
NOAEL (oral, rat, 90 days)	750 mg/kg bodyweight
NOAEC (inhalation, rat, vapour, 90 days)	≥ 0.024 mg/l air OECD 412 (Subacute Inhalation Toxicity: 28-Day Study)

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Hydrocarbons C10-C13, Aromatics, >1% Naphtalene	
NOAEL (oral, rat, 90 days)	300 mg/kg bodyweight OECD 408, EPA OPP 82-1
Ferrocene (102-54-5)	
LOAEL (oral, rat, 90 days)	25 mg/kg bodyweight OECD 407 (Repeated Dose 28-Day Oral Toxicity in Rodents)
LOAEC (inhalation, rat, vapour, 90 days)	0.003 mg/l air
NOAEL (oral, rat, 90 days)	5 mg/kg bodyweight OECD 407 (Repeated Dose 28-Day Oral Toxicity in Rodents)
NOAEC (inhalation, rat, vapour, 90 days)	0.005 mg/l air
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Potassium 1,2-bis(2-ethylhexyloxycarbonyl)ethanesulphonate (7491-09-0)	
NOAEL (oral, rat, 90 days)	750 mg/kg bodyweight OECD 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
Aspiration hazard	: May be fatal if swallowed and enters airways.
MPM E10 Fuel Protector	
Viscosity, kinematic	< 20 mm ² /s Not determined.
Hydrocarbons C10-C13, Aromatics, >1% Naphtalene	
Viscosity, kinematic	3.53 mm ² /s @ 20°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 %
Other information	
Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - water	: Toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Not classified (Based on available data, the classification criteria are not met.)
Hazardous to the aquatic environment, long-term (chronic)	: Harmful to aquatic life with long lasting effects.
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cycloalkanes, <2% aromatics.	
LC50 fish 1	1000 mg/l Oncorhynchus mykiss
EC50 Daphnia 1	1000 mg/l @48h Daphnia magna
EC50 72h - Algae [1]	1000 mg/l
Solvent naphtha (petroleum), heavy arom.; Kerosine— unspecified (64742-94-5)	
EC50 Daphnia 1	3 – 5 mg/l
Hydrocarbons, C10-C13, n-alkanes, <2% aromatics	
LC50 fish 1	> 100 mg/l @96h Oncorhynchus mykiss
EC50 Daphnia 1	> 100 mg/l @48h Daphnia magna

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Hydrocarbons, C10-C13, n-alkanes, <2% aromatics	
EC50 other aquatic organisms 1	> 100 mg/l @72h Pseudokirchneriella subcapitata
1,2,4-trimethylbenzene (95-63-6)	
EC50 Daphnia 1	6.14 mg/l 48h
Distillates (petroleum), hydrotreated light; Kerosene - unspecified (64742-47-8)	
LC50 fish 1	45 mg/l
EC50 Daphnia 1	10000000 mg/l Daphnia Magna; calculated
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
Ferrocene (102-54-5)	
EC50 72h - Algae [1]	1.03 mg/l Scenedesmus subspicatus
Potassium 1,2-bis(2-ethylhexyloxycarbonyl)ethanesulphonate (7491-09-0)	
LC50 fish 1	> 49 mg/l
EC50 Daphnia 1	6.6 mg/l Daphnia magna
EC50 Daphnia 2	10.3 mg/l Daphnia magna
EC50 other aquatic organisms 1	> 6.6 mg/l freshwater invertebrates
ErC50 (algae)	82.5 mg/l
NOEC chronic crustacea	22 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 E10 Fuel Protector	
Persistence and degradability	Rapidly degradable
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cycloalkanes, <2% aromatics.	
Persistence and degradability	Readily biodegradable.
Biodegradation	> 60 % OESO 301 F
Solvent naphtha (petroleum), heavy arom.; Kerosine— unspecified (64742-94-5)	
Persistence and degradability	Rapidly degradable
Hydrocarbons, C10-C13, n-alkanes, <2% aromatics	
Persistence and degradability	Rapidly degradable

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1,2,4-trimethylbenzene (95-63-6)	
Persistence and degradability	Rapidly degradable
Distillates (petroleum), hydrotreated light; Kerosene - unspecified (64742-47-8)	
Persistence and degradability	Rapidly degradable
Hydrocarbons C10-C13, Aromatics, >1% Naphtalene	
Persistence and degradability	Rapidly degradable
Ferrocene (102-54-5)	
Persistence and degradability	Rapidly degradable
Potassium 1,2-bis(2-ethylhexyloxycarbonyl)ethanesulphonate (7491-09-0)	
Persistence and degradability	Rapidly degradable
Naphthalene (91-20-3)	
Persistence and degradability	Rapidly degradable
1-Propene, 2-methyl-, homopolymer, hydroformylation products, reaction products with ammonia (337367-30-3)	
Persistence and degradability	Rapidly degradable

12.3. Bioaccumulative potential

MPM E10 Fuel Protector	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

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

MPM E10 Fuel Protector	
Other information	Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulation	: Disposal must be done according to official regulations.
Waste disposal recommendations	: hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Waste materials	: Avoid release to the environment.
European List of Waste (LoW, EC 2000/532)	: 13 07 03* - other fuels (including mixtures)
HP Code	: HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

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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

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 (2024/590)

Not listed on the Ozone Depletion list (Regulation EU 2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 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

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Seveso Directive (Disaster Risk Reduction)

Seveso Additional information : Does not apply

Explosives Precursors Regulation (EU 2019/1148)

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

Drug Precursors Regulation (EC 273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Indication of changes		
Section	Changed item	Comments
	Supersedes	Modified
	Revision date	Modified
1.1	UFI on SDS 1.1	Added
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Modified
2.2	EUH-statements	Added
2.2	Precautionary statements (CLP)	Modified
2.2	Hazard statements (CLP)	Modified
2.2	Hazard pictograms (CLP)	Modified
3	Composition/information on ingredients	Modified

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
SDS	Safety Data Sheet
TRGS	Technical Rules for Hazardous Substances

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Abbreviations and acronyms:	
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 (Inhalation)	Acute toxicity (inhal.), Category 4
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

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Full text of H- and EUH-statements:	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Flam. Sol. 1	Flammable solids, Category 1
Repr. 1B	Reproductive toxicity, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis
H226	Flammable liquid and vapour.
H228	Flammable solid.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H360	May damage fertility or the unborn child.
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.
EUH066	Repeated exposure may cause skin dryness or cracking.

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.