



# MPM Complete Petrol System Treatment

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 13-8-2014 Revision date: 3-4-2024 Supersedes: 14-2-2023 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 Complete Petrol System Treatment  
UFI : XQPV-40Y0-N00X-WJ7R  
Product code : AD01000  
Type of product : Additives  
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 : Professional use, Consumer use, Industrial use  
Industrial/Professional use spec : Non-dispersive use  
Used in closed systems  
Use of the substance/mixture : Additives for gasoline fuel.  
Function or use category : Fuel additives

##### 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](mailto:info@mpmoil.com) - [www.mpmoil.com](http://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)	
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]

Aspiration hazard, Category 1 H304

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

##### Adverse physicochemical, human health and environmental effects

No additional information available

# MPM Complete Petrol System Treatment

## Safety Data Sheet

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

### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS08

CLP Signal word :

Danger.

Contains :

Hydrocarbons, C11-C13, isoalkanes, <2% aromatics; Hydrocarbons, C10-C13, n-alkanes, <2% aromatics

Hazard statements (CLP) :

H304 - May be fatal if swallowed and enters airways.

Precautionary statements (CLP) :

P102 - Keep out of reach of children.

P301+P310+P331 - IF SWALLOWED: Immediately call a doctor, a POISON CENTER. 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

This mixture does not contain any substances that have been assessed as vPvB / PBT according to Regulation (EC) No, 1907/2006, Annex XIII.

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

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	CAS-No.: 246538-78-3 EC-No.: 920-901-0	$\geq 95 - \leq 100$	Asp. Tox. 1, H304
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
Hydrocarbons, C10-C13, n-alkanes, <2% aromatics	EC-No.: 929-018-5 REACH-no: 1-2119475608-26	$\geq 1 - \leq 3$	Asp. Tox. 1, H304

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

General :

In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible). If unconscious, place in the recovery position and seek medical advice. Never give an unconscious person water or anything like that.

After inhalation :

Take victim to fresh air, in a quiet place and if necessary take medical advice.

After skin contact :

Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Do not use solvents or thinners.

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.

# MPM Complete Petrol System Treatment

## Safety Data Sheet

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

After ingestion : Immediately call a POISON CENTER/doctor. Vomiting: prevent asphyxia/aspiration pneumonia. Do NOT induce vomiting. Symptoms of poisoning may develop several hours following exposure. Victim should be under medical observation for at least 48 hours after exposure.

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

After inhalation : Aspiration of the product into the lungs may cause very serious pneumonia. Symptoms of chemical pneumonia may appear after several hours.

After skin contact : Not expected to present a significant skin hazard under anticipated conditions of normal use.

After eye contact : In case of eye contact, immediately rinse with clean water for 10-15 minutes. After adequate first aid, no further treatment is required unless symptoms reappear.

After ingestion : May result in aspiration into the lungs, causing chemical pneumonia.

### 4.3. Indication of any immediate medical attention and special treatment needed

Ingestion of large quantities: immediately to hospital. Keep under medical supervision for at least 48 hours.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Water spray, powder, foam and CO<sub>2</sub>.

Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : In case of fire and/or explosion do not breathe fumes.

Explosion hazard : Heating may cause a fire or explosion.

Reactivity in case of fire : Fire will develop dense smoke.

Hazardous decomposition products in case of fire : Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO).

### 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.

Other information : On combustion, forms: carbon oxides (CO and CO<sub>2</sub>). On burning: release of (highly) toxic gases/vapours. 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 : Eliminate every possible source of ignition.

#### 6.1.1. For non-emergency personnel

Protective equipment : Wear suitable protective clothing and gloves.

Emergency procedures : Avoid contact with skin and eyes. Do not breathe vapours.

#### 6.1.2. 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.

Methods for cleaning up : This material and its container must be disposed of in a safe way, and as per local legislation.

# MPM Complete Petrol System Treatment

## Safety Data Sheet

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

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. Information on disposal - see Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed : This product is not to be used under conditions of poor ventilation. Avoid aerosol formation.  
Precautions for safe handling : Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge.  
Hygiene measures : Avoid all unnecessary exposure. Wash contaminated clothing before reuse. 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 : Store in a well-ventilated place. Keep container tightly closed. Keep in a cool, well-ventilated place away from heat. Keep only in the original container at a temperature not exceeding the flash point.  
Storage conditions : Keep container tightly closed. Store in a dry place. Store in a well-ventilated place. Keep cool.  
Heat and ignition sources : Protect from heat and direct sunlight.  
Information on mixed storage : May react violently with oxidants.  
Storage area : Store according to local legislation.  
Special rules on packaging : Keep only in original container.

### 7.3. Specific end use(s)

No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. National occupational exposure and biological limit values

No additional information available

#### 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 : Workplace exposure limit (WEL) of the total hydrocarbon solvent content of the mixture (RCP method according to EH40) 1200mg/m<sup>3</sup>

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

No additional information available

#### 8.2.2. Personal protection equipment

##### Personal protective equipment:

High gas/vapour concentration: gas mask with filter type AX. Gloves. Safety glasses.

# MPM Complete Petrol System Treatment

## Safety Data Sheet

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

### 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					
Type	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

##### 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	: Colourless.
Appearance	: Oily liquid.
Odour	: Characteristic.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: > 170 °C
Flammability	: Not available
Explosive properties	: Flammable or explosive vapour/air mixtures may be formed. Product is not explosive.
Oxidising properties	: No oxidising properties.
Explosive limits	: 0,6 – 7 vol %
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: > 61 °C
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: 7 mm <sup>2</sup> /s @ 40°C
Solubility	: Insoluble in water.
Log Kow	: Not available
Vapour pressure	: 1 hPa
Vapour pressure at 50°C	: Not available

# MPM Complete Petrol System Treatment

## Safety Data Sheet

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

Density	: 800 kg/m <sup>3</sup> @ 15°C
Relative density	: Not available
Relative vapour density at 20°C	: Not available
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

VOC content : 5,38 % EU, 1993/13/EC; USA EPA Method 24/24A

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reacts violently with oxidizing substances. Reacts with (some) acids/bases.

### 10.2. Chemical stability

The product is stable at normal handling and storage conditions.

### 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. Direct sunlight.

### 10.5. Incompatible materials

Strong oxidizing agent.

### 10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide.

## 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

#### Hydrocarbons, C11-C13, isoalkanes, <2% aromatics (246538-78-3)

LD50 oral rat	> 5000 mg/kg bodyweight OECD Guideline 401
LD50 oral	> 5000 mg/kg bodyweight
LD50 dermal rabbit	2200 – 2500 mg/kg bodyweight
ATE CLP (dermal)	2200 mg/kg bodyweight

#### Hydrocarbons, C10-C13, n-alkanes, <2% aromatics

LD50 oral rat	> 5000 mg/kg
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# MPM Complete Petrol System Treatment

## Safety Data Sheet

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

### Hydrocarbons, C10-C13, n-alkanes, <2% aromatics

LD50 dermal rat	> 5000 mg/kg
LC50 Inhalation - Rat	> 4951 mg/m <sup>3</sup> @ 4h
Skin corrosion/irritation	: Frequent or prolonged contacts may defat and dry the skin, leading to discomfort and dermatitis
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

### Hydrocarbons, C11-C13, isoalkanes, <2% aromatics (246538-78-3)

NOAEL (oral, rat, 90 days)	> 1000 mg/kg bodyweight OECD Guideline 408 (@90-Day Oral Toxicity Study in Rodents)
NOAEC (inhalation, rat, vapour, 90 days)	> 10,4 mg/l air OECD Guideline 413 @ 90-Days
Aspiration hazard	: May be fatal if swallowed and enters airways.

### MPM Complete Petrol System Treatment

Viscosity, kinematic	7 mm <sup>2</sup> /s @ 40°C
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## 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 %

### 11.2.2. Other information

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified  
Hazardous to the aquatic environment, long-term (chronic) : Not classified

### 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
EC50 other aquatic organisms 1	> 100 mg/l @72h Pseudokirchneriella subcapitata

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

# MPM Complete Petrol System Treatment

## Safety Data Sheet

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

### 12.5. Results of PBT and vPvB assessment

#### MPM Complete Petrol System Treatment

This mixture does not contain any substances that have been assessed as vPvB / PBT according to Regulation (EC) No, 1907/2006, Annex XIII.

### 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

Regional waste regulation : Disposal must be done according to official regulations.  
Product/Packaging disposal recommendations : Hand over to officially registered waste disposal company. Recycle the material as far as possible. Waste suitable for incineration.  
Waste materials : Dispose of contents/container in accordance with licensed collector's sorting instructions and in accordance to local and regional legislation.  
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

## SECTION 14: Transport information

In accordance with ADR / IMDG

### 14.1. UN number or ID number

UN-No. : Not regulated  
UN-No. (IMDG) : Not regulated

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not regulated  
Proper Shipping Name (IMDG) : 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) : Not regulated  
Packing group (IMDG) : Not regulated

### 14.5. Environmental hazards

Dangerous for the environment : No  
Marine pollutant : No  
Other information : No supplementary information available

### 14.6. Special precautions for user

#### Overland transport

Not regulated



# MPM Complete Petrol System Treatment

## Safety Data Sheet

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

### 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

#### 15.1.1. EU-Regulations

EU restriction list (REACH Annex XVII)	
Reference code	Applicable on
3.	MPM Complete Petrol System Treatment
3(b)	MPM Complete Petrol System Treatment
3(c)	MPM Complete Petrol System Treatment

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)

VOC content : 5,38 % EU, 1993/13/EC; USA EPA Method 24/24A

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Indication of changes			
Section	Changed item	Change	Comments
	Supersedes	Modified	
	Revision date	Modified	
	Type of product	Modified	
1.1	UFI on SDS 1.1	Added	
1.2	Use of the substance/mixture	Added	
1.2	Industrial/Professional use spec	Added	
1.2	Intended for general public	Removed	
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Modified	
2.1	Intended for general public	Removed	
2.2	Precautionary statements (CLP)	Modified	
2.2	Hazard statements (CLP)	Modified	
4.1	After skin contact	Modified	
4.1	After inhalation	Modified	
4.1	After ingestion	Modified	

# MPM Complete Petrol System Treatment

## Safety Data Sheet

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

Indication of changes			
Section	Changed item	Change	Comments
4.1	After eye contact	Modified	
4.1	General	Modified	
4.2	After inhalation	Modified	
4.2	After ingestion	Modified	
4.2	After eye contact	Modified	
4.2	After skin contact	Modified	
4.3	Treatment	Modified	
5.2	Reactivity in case of fire	Added	
5.2	Fire hazard	Added	
5.2	Explosion hazard	Added	
5.2	Hazardous decomposition products in case of fire	Modified	
5.3	Precautionary measures fire	Added	
5.3	Firefighting instructions	Added	
5.3	Other information	Modified	

Full text of H- and EUH-statements	
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
EUH066	Repeated exposure may cause skin dryness or cracking.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H412	Harmful to aquatic life with long lasting effects.
Skin Irrit. 2	Skin corrosion/irritation, 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.