



# MPM Soluble Oil Extra

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 3-5-2019 Revision date: 9-2-2023 Supersedes: 3-5-2019 version: 4.0

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : MPM Soluble Oil Extra  
UFI : J89R-PS7K-S90D-FHWC  
Product code : 34000  
Type of product : Washing and cleaning products  
Product group : Mixture

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

##### 1.2.1. Relevant identified uses

No additional information available

##### 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]

Serious eye damage/eye irritation, Category 2 H319

Skin sensitisation, Category 1 H317

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

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

Toxic to aquatic life with long lasting effects.

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### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

CLP Signal word :

Warning

Contains :

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one

Hazard statements (CLP) :

H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

Precautionary statements (CLP) :

P261 - Avoid breathing mist, vapours.

P264 - Wash hands, forearms and face thoroughly after handling.

P280 - Wear protective clothing, face protection.

P302+P352 - IF ON SKIN: Wash with plenty of water.

P273 - Avoid release to the environment.

P501 - Dispose of contents/container in accordance with local and national regulations.

P102 - Keep out of reach of children.

### 2.3. Other hazards

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

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]
Alcohols, C16-18 and C18-unsatd., ethoxylated	CAS-No.: 68920-66-1 EC-No.: 500-236-9 REACH-no: 01-2119489407-26	< 5	Not classified
Sulfone-acids, alkane-, sodiumsalts	CAS-No.: 68608-26-4 EC-No.: 301-210-8	< 2,5	Eye Irrit. 2, H319
Amides, C12-18 and C18-unsatd., N-(hydroxyethyl), ethoxylated	CAS-No.: 157707-44-3 EC-No.: 500-350-9	< 2,5	Eye Dam. 1, H318
Alcohols, C14-18, ethoxylated propoxylated	CAS-No.: 68002-96-0 EC-No.: 614-209-5	< 2,5	Aquatic Chronic 3, H412
Sodium pyrithione	CAS-No.: 3811-73-2 EC-No.: 223-296-5	< 1	Not classified
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	CAS-No.: 2634-33-5 EC-No.: 220-120-9 EC Index-No.: 613-088-00-6 REACH-no: 01-2120761540-60	< 1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400

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Specific concentration limits		
Name	Product identifier	Specific concentration limits
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	CAS-No.: 2634-33-5 EC-No.: 220-120-9 EC Index-No.: 613-088-00-6 REACH-no: 01-2120761540-60	(0,05 ≤ C < 100) Skin Sens. 1, H317

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

## 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

No additional information available

### 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.
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#### 6.1.1. For non-emergency personnel

Protective equipment	: Gloves. Safety glasses.
Emergency procedures	: Do not breathe vapours.

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### 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

## 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.

### 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

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 : Based on ACGIH TLV, a concentration of 5 mg/m<sup>3</sup> oilspray (TWA, 8 hour workday) is recommended.

#### 8.1.5. Control banding

No additional information available

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### 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.

**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

No additional information available

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid.
Colour	: Yellow.
Appearance	: Oily liquid.
Odour	: Characteristic.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: -18
Boiling point	: Not available
Flammability	: Not available
Explosive properties	: Presents no particular fire or explosion hazard.
Explosive limits	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: > 220 °C @ ASTM D92 COC)
Auto-ignition temperature	: Not available

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Decomposition temperature	: Not available
pH	: 10
pH solution	: 10 vol %
Viscosity, kinematic	: 41 mm <sup>2</sup> /s @ 40°C ASTM D7279
Solubility	: Emulsifiable in water.
Log Kow	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: 895 kg/m <sup>3</sup> @ 15°C ASTM D4052
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	: 0 %
Refractive index	: 1,481

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

Reacts violently with (strong) oxidizers.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available.

### 10.6. Hazardous decomposition products

None under normal conditions.

## 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

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<b>Alcohols, C16-18 and C18-unsatd., ethoxylated (68920-66-1)</b>	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
<b>Sulfone-acids, alkane-, sodiumsalts (68608-26-4)</b>	
LD50 oral rat	> 5000 mg/kg
<b>Sodium pyrithione (3811-73-2)</b>	
LD50 oral rat	1208 mg/kg bodyweight OECD Guideline 401 Guideline: EU Method B.1
LC50 Inhalation - Rat	1,08 mg/l air Guideline: EPA OPP 81-3), Guideline: EU Method B.2
<b>1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5)</b>	
ATE CLP (oral)	500 mg/kg bodyweight
Skin corrosion/irritation	: Not classified pH: 10
Serious eye damage/irritation	: Causes serious eye irritation. pH: 10
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
<b>Sodium pyrithione (3811-73-2)</b>	
LOAEL (animal/male, F1)	2,8 mg/kg bodyweight Guideline: EPA OPPTS 870.3800
LOAEL (animal/female, F1)	1,4 mg/kg bodyweight Guideline: EPA OPPTS 870.3800
NOAEL (animal/male, F1)	1,4 mg/kg bodyweight Guideline: EPA OPPTS 870.3800
NOAEL (animal/female, F1)	0,7 mg/kg bodyweight Guideline: EPA OPPTS 870.3800
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
<b>Sodium pyrithione (3811-73-2)</b>	
LOAEL (oral, rat, 90 days)	1,5 mg/kg bodyweight
NOAEL (oral, rat, 90 days)	0,5 mg/kg bodyweight
Aspiration hazard	: Not classified
Additional information	: The product is harmful by inhalation and may cause respiratory tract irritation.
<b>MPM Soluble Oil Extra</b>	
Viscosity, kinematic	41 mm <sup>2</sup> /s @ 40°C ASTM D7279

### 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

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.

Alcohols, C16-18 and C18-unsatd., ethoxylated (68920-66-1)	
LC50 fish 1	96h, Dario rerio
EC50 Daphnia 1	48h Daphnia magna
EC50 72h - Algae [1]	> 100 mg/l 72h Scenedesmus subspicatus
NOEC chronic crustacea	21d

Sodium pyrithione (3811-73-2)	
LC50 fish 1	7,3 µg/l Oncorhynchus mykiss
EC50 Daphnia 1	0,6 mg/l Daphnia magna
EC50 72h - Algae [1]	0,22 mg/l Desmodemus subspicatus

### 12.2. Persistence and degradability

Alcohols, C16-18 and C18-unsatd., ethoxylated (68920-66-1)	
Persistence and degradability	Readily biodegradable.

### 12.3. Bioaccumulative potential

Alcohols, C16-18 and C18-unsatd., ethoxylated (68920-66-1)	
Log Pow	4,6

Sulfone-acids, alkane-. sodiumsalts (68608-26-4)	
Log Pow	41,63

### 12.4. Mobility in soil

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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

Other adverse effects : No additional information available



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### 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 08 99\* - wastes not otherwise specified

### 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

##### 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

- 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)
- VOC content : 0 %

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### 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	
	Refractive index	Added	
	Revision date	Modified	
	Adverse health effects caused by endocrine disrupting properties	Added	
	Adverse effects on the environment caused by endocrine disrupting properties	Added	
	Hazardous to the aquatic environment, long-term (chronic) - comment	Added	
	Type of product	Added	
	Comments (on top of composition)	Modified	
1.1	Trade name	Added	
1.1	Product group	Added	
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Modified	
2.2	Hazard pictograms (CLP)	Added	
2.2	Precautionary statements (CLP)	Modified	
2.2	Hazard statements (CLP)	Modified	
2.2	CLP Signal word	Added	
3	Composition/information on ingredients	Modified	
4.1	After skin contact	Modified	
4.1	After inhalation	Modified	
4.1	After ingestion	Modified	
4.1	After eye contact	Modified	
4.2	After skin contact	Added	
4.2	After inhalation	Added	
4.2	After eye contact	Added	
4.2	After ingestion	Modified	
5.1	Unsuitable extinguishing media	Modified	
5.1	Suitable extinguishing media	Modified	
5.3	Precautionary measures fire	Added	
5.3	Firefighting instructions	Added	
5.3	Protection during firefighting	Modified	

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Indication of changes			
Section	Changed item	Change	Comments
6.1	Emergency procedures	Added	
6.1	Protective equipment	Modified	
6.1	Protective equipment	Modified	
6.1	General measures	Modified	
6.2	Environmental precautions	Modified	
6.3	For containment	Added	
6.3	Other information	Added	
6.3	Methods for cleaning up	Modified	
7.1	Additional hazards when processed	Added	
7.1	Handling temperature	Added	
7.1	Precautions for safe handling	Modified	
7.1	Hygiene measures	Modified	
7.2	Technical measures	Added	
7.2	Storage temperature	Modified	
7.2	Storage conditions	Modified	
7.2	Storage area	Modified	
8.2	Technical measures	Added	
8.2	Hand protection	Modified	
8.2	Skin and body protection	Modified	
8.2	Personal protective equipment	Modified	
8.2	Respiratory protection	Modified	
9.1	Appearance	Added	
9.1	Solubility	Added	
9.1	Freezing point	Added	
9.1	pH solution	Added	
9.1	Explosive properties	Added	
9.1	Viscosity, kinematic	Modified	
9.1	Odour	Modified	
9.1	Flash point	Modified	
9.1	Colour	Modified	
9.1	Density	Modified	
9.1	pH	Modified	
9.2	VOC content	Added	
10.2	Chemical stability	Added	
10.3	Possibility of hazardous reactions	Added	
10.4	Conditions to avoid	Added	
10.5	Incompatible materials	Modified	
11.1	Additional information	Added	

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Indication of changes			
Section	Changed item	Change	Comments
12.1	General	Modified	
12.4	Soil	Added	
12.6	Other adverse effects	Added	
13.1	Additional information	Added	
15.1	VOC content	Added	

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 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1

### 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.