



# MPM Soluble Oil Extra

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 03/05/2019 Revision date: 19/08/2024 Supersedes: 09/02/2023 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 Soluble Oil Extra  
UFI : SPTV-E0Q8-R00Q-A81Q  
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

##### Relevant identified uses

Main use category : Industrial use, Professional use

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

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.

#### 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.

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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

Component	
Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	Alcohols, C16-18 and C18-unsatd., ethoxylated (68920-66-1), Sulfone-acids, alkane-. sodiumsalts (68608-26-4), Amides, C12-18 and C18-unsatd., N-(hydroxyethyl), ethoxylated (157707-44-3), Alcohols, C14-18, ethoxylated propoxylated (68002-96-0), Sodium pyrithione (3811-73-2), 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5)
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	Alcohols, C16-18 and C18-unsatd., ethoxylated (68920-66-1), Sulfone-acids, alkane-. sodiumsalts (68608-26-4), Amides, C12-18 and C18-unsatd., N-(hydroxyethyl), ethoxylated (157707-44-3), Alcohols, C14-18, ethoxylated propoxylated (68002-96-0), Sodium pyrithione (3811-73-2), 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5)

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	Alcohols, C16-18 and C18-unsatd., ethoxylated (68920-66-1), Sulfone-acids, alkane-. sodiumsalts (68608-26-4), Amides, C12-18 and C18-unsatd., N-(hydroxyethyl), ethoxylated (157707-44-3), Alcohols, C14-18, ethoxylated propoxylated (68002-96-0), Sodium pyrithione (3811-73-2), 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5)

## 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]
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.: 271-781-5	< 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

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Sodium pyrrithione	CAS-No.: 3811-73-2 EC-No.: 223-296-5	< 0.3	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	< 0.3	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 2, H411

Specific concentration limits:		
Name	Product identifier	Specific concentration limits (%)
Sulfone-acids, alkane-. sodiumsalts	CAS-No.: 68608-26-4 EC-No.: 271-781-5	(61.5 ≤ C < 100) Eye Irrit. 2; H319
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	(0.036 ≤ C ≤ 100) Skin Sens. 1A; 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

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### 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.
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### 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

#### DNEL and PNEC

Additional information	: Based on ACGIH TLV, a concentration of 5 mg/m3 oilspray (TWA, 8 hour workday) is recommended.
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### 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	: Yellow.
Appearance	: Oily liquid.
Odour	: Characteristic.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: -18
Boiling point	: Not available
Flammability (solid, gas)	: Not available
Explosive properties	: Presents no particular fire or explosion hazard.
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: > 220 °C @ ASTM D92 (COC)
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: 10
pH solution concentration	: 10 %
Viscosity, kinematic	: 41 mm <sup>2</sup> /s @ 40°C ASTM D7279
Solubility	: Miscible with water.
Log Kow	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available

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Density	: 895 kg/m³ @ 15°C ASTM D4052
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

### 9.2. Other information

#### Other safety characteristics

Refractive index	: 1.481
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

None under normal conditions.

### 10.2. Chemical stability

Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

No naked flames, sparks, and do not smoke.

### 10.5. Incompatible materials

Strong oxidizing agent. Acids and bases.

### 10.6. Hazardous decomposition products

None under normal conditions.

## SECTION 11: Toxicological information

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

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Alcohols, C16-18 and C18-unsatd., ethoxylated (68920-66-1)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

Sulfone-acids, alkane-, sodiumsalts (68608-26-4)	
LD50 oral rat	> 5000 mg/kg

Sodium pyrithione (3811-73-2)	
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

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5)	
ATE CLP (oral)	500 mg/kg bodyweight

Skin corrosion/irritation	: Not classified pH: 10
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### Alcohols, C16-18 and C18-unsatd., ethoxylated (68920-66-1)

pH	8.2
Serious eye damage/irritation	: Causes serious eye irritation. pH: 10

### Alcohols, C16-18 and C18-unsatd., ethoxylated (68920-66-1)

pH	8.2
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified

### Sodium pyrithione (3811-73-2)

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

### Sodium pyrithione (3811-73-2)

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.

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Viscosity, kinematic	41 mm <sup>2</sup> /s @ 40°C ASTM D7279
<b>Sodium pyrithione (3811-73-2)</b>	
Viscosity, kinematic	6687 mm <sup>2</sup> /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 %
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## 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

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### Alcohols, C16-18 and C18-unsatd., ethoxylated (68920-66-1)

EC50 72h - Algae [1]	> 100 mg/l 72h Scenedesmus subspicatus
NOEC chronic crustacea	21d

### Sodium pyrrhione (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 Desmodesmus subspicatus

## 12.2. Persistence and degradability

### MPM Soluble Oil Extra

Persistence and degradability	Rapidly degradable
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### Alcohols, C16-18 and C18-unsatd., ethoxylated (68920-66-1)

Persistence and degradability	Readily biodegradable.
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### Sulfone-acids, alkane-. sodiumsalts (68608-26-4)

Persistence and degradability	Rapidly degradable
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### Amides, C12-18 and C18-unsatd., N-(hydroxyethyl), ethoxylated (157707-44-3)

Persistence and degradability	Rapidly degradable
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### Alcohols, C14-18, ethoxylated propoxylated (68002-96-0)

Persistence and degradability	Rapidly degradable
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### Sodium pyrrhione (3811-73-2)

Persistence and degradability	Rapidly degradable
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### 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5)

Persistence and degradability	Rapidly degradable
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## 12.3. Bioaccumulative potential

### Alcohols, C16-18 and C18-unsatd., ethoxylated (68920-66-1)

Log Pow	4.6
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### Sulfone-acids, alkane-. sodiumsalts (68608-26-4)

Log Pow	41.63
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## 12.4. Mobility in soil

### MPM Soluble Oil Extra

Soil	No additional information available.
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## 12.5. Results of PBT and vPvB assessment

### Component

Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	Alcohols, C16-18 and C18-unsatd., ethoxylated (68920-66-1 ), Sulfone-acids, alkane-. sodiumsalts (68608-26-4), Amides, C12-18 and C18-unsatd., N-(hydroxyethyl), ethoxylated (157707-44-3), Alcohols, C14-18, ethoxylated propoxylated (68002-96-0), Sodium pyrrhione (3811-73-2), 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5)
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### Component

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

Alcohols, C16-18 and C18-unsatd., ethoxylated (68920-66-1), Sulfone-acids, alkane-sodiumsalts (68608-26-4), Amides, C12-18 and C18-unsatd., N-(hydroxyethyl), ethoxylated (157707-44-3), Alcohols, C14-18, ethoxylated propoxylated (68002-96-0), Sodium pyrrhione (3811-73-2), 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5)

### 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.

## 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

HP Code

: HP4 - "Irritant – skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye.

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

ADR	IMDG
<b>14.1. UN number or ID number</b>	
Not regulated for transport	
<b>14.2. UN proper shipping name</b>	
Not regulated	Not regulated
<b>14.3. Transport hazard class(es)</b>	
Not regulated	Not regulated
<b>14.4. Packing group</b>	
Not regulated	Not regulated
<b>14.5. Environmental hazards</b>	
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

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### 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 additional information available

### SECTION 16: Other information

Indication of changes		
Section	Changed item	Comments
	Supersedes	<b>Modified</b>
	Revision date	<b>Modified</b>
	Concentration of the solution used for the pH measurement	<b>Added</b>
1.1	UFI on SDS 1.1	<b>Added</b>
3	Composition/information on ingredients	<b>Modified</b>
8.2	Materials for protective clothing	<b>Added</b>
8.2	Personal protective equipment	<b>Modified</b>
9.1	Flash point	<b>Modified</b>
13.1	HP Code	<b>Added</b>

#### 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

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### Full text of H- and EUH-statements:

Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
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.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1A	Skin sensitisation, category 1A

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.