



## SAFETY DATA SHEET

### MO-H Part A

According to Regulation (EC) No 1907/2006, Annex II, as amended.

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

##### 1.1. Product identifier

Product name                      MO-H Part A  
 Product number                    MOH300/MOH410

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

Identified uses                      Resin.

##### 1.3. Details of the supplier of the safety data sheet

Supplier                              Técnicas Expansivas S.L.  
     C/Segador 13  
     Logroño  
     La Rioja  
     C.P: 26006, España  
     Tel: +34 941 272 131  
     Fax: +34 941 272 132

Web                                      www.indexfix.com

Contact person                      info@indexfix.com

##### 1.4. Emergency telephone number

Emergency telephone                +34 941.272.137

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification (EC 1272/2008)

Physical hazards                      Not Classified  
 Health hazards                        Eye Irrit. 2 - H319 Skin Sens. 1 - H317  
 Environmental hazards                Aquatic Chronic 3 - H412

##### 2.2. Label elements

###### Hazard pictograms



Signal word                            Warning

Hazard statements                    H319 Causes serious eye irritation.  
     H317 May cause an allergic skin reaction.  
     H412 Harmful to aquatic life with long lasting effects.

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<b>Precautionary statements</b>	<p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
<b>Contains</b>	2-HYDROXYPROPYL METHACRYLATE
<b>Labelling notes</b>	<p>The product is not flammable.</p> <p>On basis of test data.</p> <p>UN Test N.1 and ASTM D4359-90</p>

### 2.3. Other hazards

#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

<b>2-HYDROXYPROPYL METHACRYLATE</b> <span style="float: right;"><b>5-10%</b></span>		
CAS number: 27813-02-1	EC number: 248-666-3	REACH registration number: 01-2119490226-37
<b>Classification</b> Eye Irrit. 2 - H319 Skin Sens. 1 - H317		
<b>VINYL TOLUENE</b> <span style="float: right;"><b>5-10%</b></span>		
CAS number: 25013-15-4	EC number: 246-562-2	REACH registration number: 01-2119622074-50
<b>Classification</b> Flam. Liq. 3 - H226 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411		
<b>TITANIUM DIOXIDE</b> <span style="float: right;"><b>&gt;0.5 &lt;1.0%</b></span>		
CAS number: 13463-67-7	EC number: 236-675-5	
<b>Classification</b> Not Classified		

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
<b>Skin contact</b>	Wash skin thoroughly with soap and water.

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**Eye contact** Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.

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

**Ingestion** May cause discomfort if swallowed.

**Skin contact** Irritating to skin. May cause sensitisation or allergic reactions in sensitive individuals.

**Eye contact** Irritating to eyes.

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

**Notes for the doctor** No specific recommendations.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media** Extinguish with foam, carbon dioxide or dry powder.

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

**Specific hazards** Not considered to be a significant hazard due to the small quantities used.

**Hazardous combustion products** Oxides of carbon.

### 5.3. Advice for firefighters

**Protective actions during firefighting** Avoid breathing fire gases or vapours.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet.

### 6.2. Environmental precautions

**Environmental precautions** Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.

### 6.4. Reference to other sections

**Reference to other sections** Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from oxidising materials, heat and flames.

**Storage class** Chemical storage.

### 7.3. Specific end use(s)

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**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

### SECTION 8: Exposure controls/Personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

##### TITANIUM DIOXIDE

Long-term exposure limit (8-hour TWA): WEL 4 mg/m<sup>3</sup> respirable dust

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup> inhalable dust

WEL = Workplace Exposure Limit.

##### 2-HYDROXYPROPYL METHACRYLATE (CAS: 27813-02-1)

<b>DNEL</b>	Workers - Dermal; Long term systemic effects: 4.2 mg/kg Workers - Inhalation; Long term systemic effects: 14.7 mg/m <sup>3</sup>
<b>PNEC</b>	Fresh water; 0.904 mg/l marine water; 0.904 mg/l STP; 20 mg/l Sediment (Freshwater); 6.28 mg/kg Sediment (Marinewater); 6.28 mg/kg Soil; 0.727 mg/kg

##### VINYL TOLUENE (CAS: 25013-15-4)

<b>DNEL</b>	Industry - Inhalation; Long term systemic effects: 37 mg/m <sup>3</sup> Industry - Inhalation; Long term local effects: 37 mg/m <sup>3</sup> REACH dossier information
<b>PNEC</b>	- Fresh water; 0.0498 mg/l - marine water; 0.002 mg/l - Intermittent release; 0.013 mg/l - STP; 1 mg/l - Sediment (Freshwater); 0.684 mg/kg - Sediment (Marinewater); 0.0684 mg/kg - Soil; 0.133 mg/kg REACH dossier information

##### TITANIUM DIOXIDE (CAS: 13463-67-7)

<b>DNEL</b>	Industry - Inhalation; Long term systemic effects: 10 mg/m <sup>3</sup> REACH dossier information
<b>PNEC</b>	- Fresh water; 0.127 mg/l - marine water; 1.0 mg/l - Intermittent release; 0.61 mg/l - STP; 100 mg/l - Sediment (Freshwater); 1000 mg/kg - Sediment (Marinewater); 100 mg/kg - Soil; 100 mg/kg REACH dossier information

#### 8.2. Exposure controls

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### Protective equipment



#### Appropriate engineering controls

Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients.

#### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

#### Hand protection

It is recommended that chemical-resistant, impervious gloves are worn.

#### Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

#### Hygiene measures

Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

#### Respiratory protection

No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

#### Environmental exposure controls

Keep container tightly sealed when not in use.

### SECTION 9: Physical and chemical properties

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

Appearance	Solid.
Colour	Beige.
Odour	Aromatic.
Odour threshold	Not determined.
pH	Not applicable.
Melting point	Not determined.
Initial boiling point and range	Not determined.
Flash point	Not determined.
Evaporation rate	Not determined.
Evaporation factor	Not determined.
Flammability (solid, gas)	Not determined.
Upper/lower flammability or explosive limits	Not determined.
Other flammability	Not determined.
Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	1.65 - 1.75 @ 20°C
Bulk density	Not applicable.

## MO-H Part A

<b>Solubility(ies)</b>	Insoluble in water.
<b>Partition coefficient</b>	Not determined.
<b>Auto-ignition temperature</b>	Not determined.
<b>Decomposition Temperature</b>	Not determined.
<b>Viscosity</b>	Not applicable.
<b>Explosive properties</b>	Not considered to be explosive.
<b>Explosive under the influence of a flame</b>	Not considered to be explosive.
<b>Oxidising properties</b>	Not determined.

### 9.2. Other information

#### SECTION 10: Stability and reactivity

##### 10.1. Reactivity

**Reactivity** The following materials may react with the product: Organic peroxides/hydroperoxides.

##### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures.

##### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Does not decompose when used and stored as recommended.

##### 10.4. Conditions to avoid

**Conditions to avoid** Avoid excessive heat for prolonged periods of time.

##### 10.5. Incompatible materials

**Materials to avoid** Organic peroxides/hydroperoxides.

##### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Oxides of carbon.

#### SECTION 11: Toxicological information

##### 11.1. Information on toxicological effects

###### Acute toxicity - inhalation

**ATE inhalation (vapours mg/l)** 159.52

###### Skin corrosion/irritation

**Skin corrosion/irritation** Irritating to skin.

###### Serious eye damage/irritation

**Serious eye damage/irritation** Causes eye irritation.

**Ingestion** May cause discomfort if swallowed.

**Skin contact** Irritating to skin. May cause sensitisation or allergic reactions in sensitive individuals.

**Eye contact** Irritating to eyes.

**Route of exposure** Skin and/or eye contact

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**Medical symptoms** Irritation of eyes and mucous membranes. Skin irritation.

### Toxicological information on ingredients.

#### 2-HYDROXYPROPYL METHACRYLATE

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub>  
mg/kg) 11,200.0

Species Rat

ATE oral (mg/kg) 11,200.0

#### VINYL TOLUENE

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub>  
mg/kg) 2,255.0

Species Rat

ATE oral (mg/kg) 2,255.0

##### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub>  
mg/kg) 4,500.0

Species Rat

ATE dermal (mg/kg) 4,500.0

##### Acute toxicity - inhalation

ATE inhalation (vapours  
mg/l) 11.0

##### Carcinogenicity

IARC carcinogenicity IARC Group 3 Not classifiable as to its carcinogenicity to humans.

#### TITANIUM DIOXIDE

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub>  
mg/kg) 5,000.0

Species Rat

##### Carcinogenicity

IARC carcinogenicity IARC Group 2B Possibly carcinogenic to humans.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Ecological information on ingredients.

#### VINYL TOLUENE

##### Acute aquatic toxicity

Acute toxicity - fish LC50, 96 hours: 23.4 mg/l, Pimephales promelas (Fat-head Minnow)

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<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: 1.3 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	EC <sub>50</sub> , 72 hours: 2.6 mg/l, Selenastrum capricornutum

### TITANIUM DIOXIDE

#### Acute aquatic toxicity

<b>Acute toxicity - fish</b>	LC0, >: 1000 mg/l, Leuciscus idus (Golden orfe) REACH dossier information
<b>Acute toxicity - aquatic invertebrates</b>	NOEC, > 48 hours: 3 mg/l, Daphnia magna REACH dossier information
<b>Acute toxicity - microorganisms</b>	EC <sub>50</sub> , > 3 hours: 1000 mg/l, Activated sludge REACH dossier information

#### 12.2. Persistence and degradability

#### 12.3. Bioaccumulative potential

<b>Bioaccumulative potential</b>	No data available on bioaccumulation.
<b>Partition coefficient</b>	Not determined.

#### Ecological information on ingredients.

### 2-HYDROXYPROPYL METHACRYLATE

<b>Partition coefficient</b>	log Kow: 0.93
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### VINYL TOLUENE

<b>Partition coefficient</b>	log Pow: 3.36
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#### 12.4. Mobility in soil

<b>Mobility</b>	Not applicable.
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#### 12.5. Results of PBT and vPvB assessment

<b>Results of PBT and vPvB assessment</b>	This product does not contain any substances classified as PBT or vPvB.
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#### 12.6. Other adverse effects

<b>Other adverse effects</b>	Not applicable.
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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

<b>General information</b>	Dispose of waste product or used containers in accordance with local regulations
<b>Disposal methods</b>	Dispose of waste via a licensed waste disposal contractor.
<b>Waste class</b>	The waste code classification is to be carried out according to the European Waste Catalogue (EWC).

## SECTION 14: Transport information

<b>General</b>	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).
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## MO-H Part A

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

No transport warning sign required.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation (EU) No 2015/830

Guidance Workplace Exposure Limits EH40.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

<b>General information</b>	The product is not flammable. On basis of test data. UN Test N.1 and ASTM D4359-90
<b>Revision comments</b>	NOTE: Lines within the margin indicate significant changes from the previous revision.
<b>Revision date</b>	13/01/2020
<b>Version number</b>	3.000
<b>Supersedes date</b>	08/05/2018
<b>SDS number</b>	20975
<b>Hazard statements in full</b>	H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H332 Harmful if inhaled. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

## MO-H Part A

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.



## SAFETY DATA SHEET

### MO-H Part B

According to Regulation (EC) No 1907/2006, Annex II, as amended.

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

##### 1.1. Product identifier

**Product name** MO-H Part B  
**Product number** MOH300 / MOH410

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

**Identified uses** Catalyst.

##### 1.3. Details of the supplier of the safety data sheet

**Supplier** Técnicas Expansivas S.L.  
 C/Segador 13  
 Logroño  
 La Rioja  
 C.P: 26006, España  
 Tel: +34 941 272 131  
 Fax: +34 941 272 132

**Web** [www.indexfix.com](http://www.indexfix.com)

**Contact person** [info@indexfix.com](mailto:info@indexfix.com)

##### 1.4. Emergency telephone number

**Emergency telephone** +34 941.272.137

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification (EC 1272/2008)

**Physical hazards** Not Classified  
**Health hazards** Eye Irrit. 2 - H319 Skin Sens. 1 - H317  
**Environmental hazards** Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

**Human health** May cause skin disorders if contact is repeated or prolonged. The product is irritating to eyes and skin.

**Environmental** The product contains a substance which is very toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

**Physicochemical** Not considered to be a significant hazard due to the small quantities used.

##### 2.2. Label elements

###### Hazard pictograms



## MO-H Part B

<b>Signal word</b>	Warning
<b>Hazard statements</b>	H319 Causes serious eye irritation. H317 May cause an allergic skin reaction. H410 Very toxic to aquatic life with long lasting effects.
<b>Precautionary statements</b>	P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P302+P352 IF ON SKIN: Wash with plenty of water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333+P313 If skin irritation or rash occurs: Get medical advice/ attention. P501 Dispose of contents/ container in accordance with national regulations.
<b>Contains</b>	BENZOYL PEROXIDE
<b>Supplementary precautionary statements</b>	P264 Wash contaminated skin thoroughly after handling. P337+P313 If eye irritation persists: Get medical advice/ attention. P362+P364 Take off contaminated clothing and wash it before reuse.
<b>Labelling notes</b>	On basis of test data. Solid - ASTM D4359-90

### 2.3. Other hazards

#### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<b>BENZOYL PEROXIDE</b>		<b>10-15%</b>
CAS number: 94-36-0	EC number: 202-327-6	REACH registration number: 01-2119511472-50
M factor (Acute) = 10	M factor (Chronic) = 10	
<b>Classification</b>		
Org. Perox. B - H241		
Eye Irrit. 2 - H319		
Skin Sens. 1 - H317		
Aquatic Acute 1 - H400		
Aquatic Chronic 1 - H410		
<b>BENZOIC ACID,NONYL ESTER,BRANCHED AND LINEAR</b>		
		<b>5-10%</b>
CAS number: 670241-72-2	EC number: 447-010-5	REACH registration number: 01-0000018876-55
<b>Classification</b>		
Aquatic Chronic 2 - H411		

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<b>ZINC DISTEARATE</b>		<b>1-5%</b>
CAS number: 557-05-1	EC number: 209-151-9	REACH registration number: 01-2119982400-42
M factor (Acute) = 1		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Aquatic Acute 1 - H400	-	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation</b>	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
<b>Skin contact</b>	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.

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

<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Skin contact</b>	Causes skin irritation.
<b>Eye contact</b>	Irritation of eyes and mucous membranes.

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

<b>Notes for the doctor</b>	No specific recommendations. If in doubt, get medical attention promptly.
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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Extinguish with foam, carbon dioxide or dry powder.
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#### 5.2. Special hazards arising from the substance or mixture

<b>Specific hazards</b>	No specific firefighting precautions applicable when small quantities are involved in the fire.
<b>Hazardous combustion products</b>	Oxides of carbon.

#### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	Avoid breathing fire gases or vapours.
<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	Wear protective clothing as described in Section 8 of this safety data sheet.
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#### 6.2. Environmental precautions

## MO-H Part B

**Environmental precautions** Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.

### 6.4. Reference to other sections

**Reference to other sections** Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Keep away from heat, sparks and open flame.

**Advice on general occupational hygiene** Do not eat, drink or smoke when using this product. No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Keep away from flammable and combustible materials. Store at temperatures between 5°C/41°F and 25°C/77°F.

**Storage class** Chemical storage.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

#### Occupational exposure limits

#### BENZOYL PEROXIDE

Long-term exposure limit (8-hour TWA): WEL 5 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

#### BENZOYL PEROXIDE (CAS: 94-36-0)

<b>DNEL</b>	Industry - Oral; Long term : 1.6 mg/kg/day Industry - Inhalation; Long term : 11.75 mg/m <sup>3</sup> Industry - Dermal; Long term : 6.6 mg/kg/day
<b>PNEC</b>	- Sediment (Freshwater); 0.338 mg/kg - STP; 0.35 mg/l - Sediment (Marinewater); 0.0338 mg/kg - Fresh water; 0.000602 mg/l - marine water; 0.000602 mg/l

### 8.2. Exposure controls

#### Protective equipment



**Appropriate engineering controls**

Provide adequate ventilation.

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<b>Eye/face protection</b>	The following protection should be worn: Chemical splash goggles.
<b>Hand protection</b>	Wear protective gloves made of the following material: Nitrile rubber.
<b>Other skin and body protection</b>	Wear appropriate clothing to prevent any possibility of skin contact.
<b>Hygiene measures</b>	Wash at the end of each work shift and before eating, smoking and using the toilet. Do not smoke in work area.
<b>Respiratory protection</b>	No specific recommendations.

### SECTION 9: Physical and chemical properties

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

<b>Appearance</b>	Solid.
<b>Colour</b>	Black.
<b>Odour</b>	Characteristic.
<b>Odour threshold</b>	Not determined.
<b>pH</b>	5 - 6
<b>Melting point</b>	Not applicable.
<b>Initial boiling point and range</b>	Not applicable.
<b>Flash point</b>	Not applicable.
<b>Evaporation rate</b>	Not determined.
<b>Evaporation factor</b>	Not determined.
<b>Flammability (solid, gas)</b>	Not determined.
<b>Upper/lower flammability or explosive limits</b>	Not determined.
<b>Other flammability</b>	Not determined.
<b>Vapour pressure</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>Relative density</b>	1.5 - 1.6
<b>Bulk density</b>	Not applicable.
<b>Solubility(ies)</b>	Not determined.
<b>Partition coefficient</b>	Not determined.
<b>Auto-ignition temperature</b>	Not determined.
<b>Decomposition Temperature</b>	>50°C
<b>Viscosity</b>	> 60 S ISO2431
<b>Explosive properties</b>	No information available.
<b>Oxidising properties</b>	Not determined.

#### 9.2. Other information

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

## MO-H Part B

**Reactivity** The following materials may react with the product: Acids. Alkalis. Amines. Strong reducing agents.

### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures and when used as recommended. Will decompose at temperatures exceeding 50°C.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Will not polymerise.

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid contact with strong reducing agents. Avoid heat. Avoid contact with acids and alkalis.

### 10.5. Incompatible materials

**Materials to avoid** Strong reducing agents. Acids, non-oxidising. Acids - organic. Alkalis - inorganic. Alkalis - organic. Amines.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Oxides of carbon.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Skin sensitisation

**Skin sensitisation** Sensitising.

**Inhalation** No specific health hazards known.

**Ingestion** May cause discomfort if swallowed.

**Skin contact** Irritating to skin. May cause sensitisation by skin contact.

**Eye contact** Irritation of eyes and mucous membranes.

**Route of exposure** Skin and/or eye contact

**Medical symptoms** Skin irritation. Irritation of eyes and mucous membranes.

**Medical considerations** No information available.

### Toxicological information on ingredients.

#### BENZOYL PEROXIDE

#### Carcinogenicity

**IARC carcinogenicity** IARC Group 3 Not classifiable as to its carcinogenicity to humans.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Ecological information on ingredients.

#### BENZOYL PEROXIDE

#### Acute aquatic toxicity

**LE(C)<sub>50</sub>** 0.01 < L(E)C<sub>50</sub> ≤ 0.1



## MO-H Part B

<b>M factor (Acute)</b>	10
<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: 0.06 mg/l, Oncorhynchus mykiss (Rainbow trout)
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: 0.11 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	EC <sub>50</sub> , 72 hours: 0.07 mg/l, Selenastrum capricornutum
<b><u>Chronic aquatic toxicity</u></b>	
<b>M factor (Chronic)</b>	10

### BENZOIC ACID,NONYL ESTER,BRANCHED AND LINEAR

#### Acute aquatic toxicity

<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 24 hours: > 1.23 mg/l, Cyprinus carpio (Common carp) LC <sub>50</sub> , 48 hours: > 1.23 mg/l, Cyprinus carpio (Common carp) LC <sub>50</sub> , 72 hours: > 1.23 mg/l, Cyprinus carpio (Common carp) EC <sub>50</sub> , 96 hours: > 1.23 mg/l, Cyprinus carpio (Common carp) EC <sub>100</sub> , 96 hours: > 1.23 mg/l, Cyprinus carpio (Common carp) NOEC, 96 hours: > 1.23 mg/l, Cyprinus carpio (Common carp)
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 24 hours: > 2.2 mg/l, Daphnia magna EC <sub>50</sub> , 48 hours: > 2.2 mg/l, Daphnia magna NOEC, 48 hours: > 2.2 mg/l, Daphnia magna
<b>Acute toxicity - microorganisms</b>	IC <sub>50</sub> , 3 hours: > 1000 mg/l, Activated sludge NOEC, 3 hours: > 1000 mg/l, Activated sludge

#### 12.2. Persistence and degradability

**Persistence and degradability** There are no data on the degradability of this product.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** Not determined.

#### 12.4. Mobility in soil

**Mobility** Mobile. The product is partly miscible with water and may spread in the aquatic environment.

#### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

#### 12.6. Other adverse effects

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**General information** Dispose of waste product or used containers in accordance with local regulations

**Disposal methods** Dispose of waste via a licensed waste disposal contractor.

**Waste class** The waste code classification is to be carried out according to the European Waste Catalogue (EWC).

### SECTION 14: Transport information

#### 14.1. UN number

## MO-H Part B

UN No. (ADR/RID)	3077
UN No. (IMDG)	3077
UN No. (ICAO)	3077
UN No. (ADN)	3077

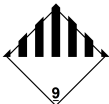
### 14.2. UN proper shipping name

<b>Proper shipping name (ADR/RID)</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS BENZOYL PEROXIDE, BENZOIC ACID, NONYL ESTER, BRANCHED AND LINEAR)
<b>Proper shipping name (IMDG)</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS BENZOYL PEROXIDE, BENZOIC ACID, NONYL ESTER, BRANCHED AND LINEAR)
<b>Proper shipping name (ICAO)</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS BENZOYL PEROXIDE, BENZOIC ACID, NONYL ESTER, BRANCHED AND LINEAR)
<b>Proper shipping name (ADN)</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS BENZOYL PEROXIDE, BENZOIC ACID, NONYL ESTER, BRANCHED AND LINEAR)

### 14.3. Transport hazard class(es)

ADR/RID class	9
ADR/RID classification code	M7
ADR/RID label	9
IMDG class	9
ICAO class/division	9
ADN class	9

#### Transport labels



### 14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III
ADN packing group	III

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



### 14.6. Special precautions for user

EmS	F-A, S-F
ADR transport category	3
Emergency Action Code	2Z

## MO-H Part B

**Hazard Identification Number** 90  
(ADR/RID)

**Tunnel restriction code** (-)

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**EU legislation** (EU) No 2015/830

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

<b>General information</b>	On basis of test data. Solid - ASTM D4359-90
<b>Revision comments</b>	NOTE: Lines within the margin indicate significant changes from the previous revision.
<b>Revision date</b>	13/01/2020
<b>Version number</b>	3.000
<b>Supersedes date</b>	14/08/2018
<b>SDS number</b>	20986
<b>Hazard statements in full</b>	H241 Heating may cause a fire or explosion. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. 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.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.