SAFETY DATA SHEET
MO-B 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-B Part A

Product number MOB300/MOB410

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 Repr. 2 - H361d STOT RE 2 - H373

Environmental hazards Not Classified

2.2. Label elements

Hazard pictograms

Signal word Warning

Hazard statements
H361d Suspected of damaging the unborn child.
H373 May cause damage to organs (Hearing) through prolonged or repeated exposure.

Precautionary statements
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P314 Get medical advice/ attention if you feel unwell.
P501 Dispose of contents/ container in accordance with national regulations.

MO-B Part A

Contains STYRENE

Labelling notes The product is not flammable.
On basis of test data.
UN Test N.1 and ASTM D4359-90

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

STYRENE **5-10%**

CAS number: 100-42-5 EC number: 202-851-5 REACH registration number: 01-2119457861-32

Classification
Flam. Liq. 3 - H226
Acute Tox. 4 - H332
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319
Repr. 2 - H361d
STOT SE 3 - H335
STOT RE 1 - H372
Asp. Tox. 1 - H304

TITANIUM DIOXIDE **>0.5 <1.0%**

CAS number: 13463-67-7 EC number: 236-675-5

Classification
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

Inhalation Move affected person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion 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.

Skin contact Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water.

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.

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

Inhalation May cause respiratory irritation.

Ingestion May cause discomfort if swallowed.

Skin contact May cause irritation.

Eye contact May irritate eyes.

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

Notes for the doctor No specific recommendations. If in doubt, get medical attention promptly.

MO-B Part A

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 No unusual fire or explosion hazards noted.

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

Usage precautions Avoid breathing vapours.

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)

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

STYRENE

Long-term exposure limit (8-hour TWA): WEL 100 ppm 430 mg/m³
Short-term exposure limit (15-minute): WEL 250 ppm 1080 mg/m³

TITANIUM DIOXIDE

MO-B Part A

Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust
Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust
WEL = Workplace Exposure Limit

STYRENE (CAS: 100-42-5)

DNEL	Industry - Inhalation; Long term systemic effects: 85 mg/m³ Industry - Inhalation; Short term systemic effects: 289 mg/m³ Industry - Inhalation; Short term local effects: 306 mg/m³ Industry - Dermal; Long term systemic effects: 406 mg/kg/day REACH dossier information
PNEC	- Fresh water; 0.028 mg/l - marine water; 0.0028 mg/l - Intermittent release; 0.04 mg/l - STP; 4 mg/l - Sediment (Freshwater); 0.614 mg/kg - Sediment (Marinewater); 0.0614 mg/kg - Soil; 0.2 mg/kg REACH dossier information

TITANIUM DIOXIDE (CAS: 13463-67-7)

DNEL	Industry - Inhalation; Long term systemic effects: 10 mg/m³ REACH dossier information
PNEC	- 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

Protective equipment

Appropriate engineering controls	Provide adequate ventilation. Avoid inhalation of vapours. 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. Do not eat, drink or smoke when using this product.
Environmental exposure controls	Keep container tightly sealed when not in use.

MO-B Part A

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 applicable.
Initial boiling point and range	Not applicable.
Flash point	Not applicable.
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 applicable.
Vapour density	Not determined.
Relative density	1.75 - 1.85 @ 20°C
Bulk density	Not applicable.
Solubility(ies)	Insoluble in water
Partition coefficient	Not determined.
Auto-ignition temperature	Not applicable.
Decomposition Temperature	Not determined.
Viscosity	Not applicable.
Explosive properties	No information available.
Oxidising properties	Does not meet the criteria for classification as oxidising.

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

MO-B Part A

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) 124.89

Specific target organ toxicity - repeated exposure

Target organs Causes damage to hearing organs through prolonged or repeated exposure via inhalation

Inhalation Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.

Ingestion May cause discomfort if swallowed.

Skin contact May cause irritation.

Eye contact May cause eye irritation.

Acute and chronic health hazards May cause skin irritation. May cause eye irritation. Gas or vapour is harmful on prolonged exposure or in high concentrations. May cause damage to organs (Hearing organs) through prolonged or repeated exposure if inhaled. May damage the unborn child.

Route of exposure Inhalation Skin and/or eye contact.

Toxicological information on ingredients.

STYRENE

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg) 5,000.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg) 2,000.0

Species Rat

Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 11.0

Carcinogenicity

IARC carcinogenicity IARC Group 2B Possibly carcinogenic to humans.

NTP carcinogenicity Reasonably anticipated to be a human carcinogen.

TITANIUM DIOXIDE

MO-B Part A

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	5,000.0
Species	Rat

Carcinogenicity

IARC carcinogenicity	IARC Group 2B Possibly carcinogenic to humans.

SECTION 12: Ecological information

Ecotoxicity Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

12.1. Toxicity

Ecological information on ingredients.

STYRENE

Acute aquatic toxicity

Acute toxicity - fish	LC50, 96 hours: 10 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 4.7 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC_{50}, 72 hours: 4.9 mg/l, Selenastrum capricornutum

TITANIUM DIOXIDE

Acute aquatic toxicity

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

12.2. Persistence and degradability

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not determined.

12.4. Mobility in soil

Mobility Not applicable.

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

Other adverse effects Not applicable.

SECTION 13: Disposal considerations

MO-B Part A

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

UN No. (ADR/RID)	1866
UN No. (IMDG)	1866
UN No. (ICAO)	1866
UN No. (ADN)	1866

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	RESIN SOLUTION
Proper shipping name (IMDG)	RESIN SOLUTION
Proper shipping name (ICAO)	RESIN SOLUTION
Proper shipping name (ADN)	RESIN SOLUTION

14.3. Transport hazard class(es)

ADR/RID class	3
ADR/RID classification code	F1
ADR/RID label	3
IMDG class	3
ICAO class/division	3
ADN class	3

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

No.

14.6. Special precautions for user

MO-B Part A

EmS	F-E, S-E
ADR transport category	3
Emergency Action Code	•3Y
Hazard Identification Number (ADR/RID)	30
Tunnel restriction code	(D/E)

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
Guidance	Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information	The product is not flammable. On basis of test data. UN Test N.1 and ASTM D4359-90
Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.
Revision date	13/01/2020
Version number	2.000
Supersedes date	08/03/2019
SDS number	20968
Hazard statements in full	H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H361d Suspected of damaging the unborn child. H372 Causes damage to organs (Hearing) through prolonged or repeated exposure if inhaled. H373 May cause damage to organs (Hearing) through prolonged or repeated exposure.

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-B 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-B Part B

Product number MOB300 / MOB410

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

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 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-B Part B

Signal word	Warning
Hazard statements	H319 Causes serious eye irritation. H317 May cause an allergic skin reaction. H410 Very toxic to aquatic life with long lasting effects.
Precautionary statements	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.
Contains	BENZOYL PEROXIDE
Supplementary precautionary statements	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.
Labelling notes	On basis of test data. Solid - ASTM D4359-90

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

BENZOYL PEROXIDE **10-15%**

CAS number: 94-36-0	EC number: 202-327-6	REACH registration number: 01-2119511472-50
M factor (Acute) = 10	M factor (Chronic) = 10	

Classification
Org. Perox. B - H241
Eye Irrit. 2 - H319
Skin Sens. 1 - H317
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

BENZOIC ACID,NONYL ESTER,BRANCHED AND LINEAR **5-10%**

CAS number: 670241-72-2	EC number: 447-010-5	REACH registration number: 01-0000018876-55

Classification
Aquatic Chronic 2 - H411

MO-B Part B

ZINC DISTEARATE		**1-5%**
CAS number: 557-05-1	EC number: 209-151-9	REACH registration number: 01-2119982400-42
M factor (Acute) = 1		

Classification	Classification (67/548/EEC or 1999/45/EC)
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

Inhalation Move affected person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion 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.

Skin contact Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

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 Causes skin irritation.

Eye contact Irritation of eyes and mucous membranes.

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

Notes for the doctor No specific recommendations. If in doubt, get medical attention promptly.

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 No specific firefighting precautions applicable when small quantities are involved in the fire.

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

MO-B 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/m³
WEL = Workplace Exposure Limit

BENZOYL PEROXIDE (CAS: 94-36-0)

DNEL
Industry - Oral; Long term : 1.6 mg/kg/day
Industry - Inhalation; Long term : 11.75 mg/m³
Industry - Dermal; Long term : 6.6 mg/kg/day

PNEC
- 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; 0.0000602 mg/l

8.2. Exposure controls

Protective equipment

Appropriate engineering controls Provide adequate ventilation.

MO-B Part B

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Solid.
Colour	Black.
Odour	Characteristic.
Odour threshold	Not determined.
pH	5 - 6
Melting point	Not applicable.
Initial boiling point and range	Not applicable.
Flash point	Not applicable.
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	1.5 - 1.6
Bulk density	Not applicable.
Solubility(ies)	Not determined.
Partition coefficient	Not determined.
Auto-ignition temperature	Not determined.
Decomposition Temperature	>50°C
Viscosity	> 60 S ISO2431
Explosive properties	No information available.
Oxidising properties	Not determined.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

MO-B 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

$LE(C)_{50}$ $0.01 < L(E)C50 \leq 0.1$

MO-B Part B

M factor (Acute)	10
Acute toxicity - fish	LC50, 96 hours: 0.06 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 0.11 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC_{50}, 72 hours: 0.07 mg/l, Selenastrum capricornutum
Chronic aquatic toxicity	
M factor (Chronic)	10

BENZOIC ACID,NONYL ESTER,BRANCHED AND LINEAR

Acute aquatic toxicity	
Acute toxicity - fish	LC_{50}, 24 hours: > 1.23 mg/l, Cyprinus carpio (Common carp) LC_{50}, 48 hours: > 1.23 mg/l, Cyprinus carpio (Common carp) LC_{50}, 72 hours: > 1.23 mg/l, Cyprinus carpio (Common carp) EC_{50}, 96 hours: > 1.23 mg/l, Cyprinus carpio (Common carp) EC_{100}, 96 hours: > 1.23 mg/l, Cyprinus carpio (Common carp) NOEC, 96 hours: > 1.23 mg/l, Cyprinus carpio (Common carp)
Acute toxicity - aquatic invertebrates	EC_{50}, 24 hours: > 2.2 mg/l, Daphnia magna EC_{50}, 48 hours: > 2.2 mg/l, Daphnia magna NOEC, 48 hours: > 2.2 mg/l, Daphnia magna
Acute toxicity - microorganisms	IC_{50}, 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-B 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

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

Hazard Identification Number (ADR/RID) 90

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

General information On basis of test data. Solid - ASTM D4359-90

Revision comments NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date 13/01/2020

Version number 3.000

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SDS number 20979

Hazard statements in full 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.