



## SAFETY DATA SHEET NITOMORTAR PE CONCRETE FILLER

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

#### 1.1. Product identifier

**Product name** NITOMORTAR PE CONCRETE FILLER

**Product number** A1922023UK9

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

**Identified uses** Filler component of two-part polyester resin grout.

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

**Supplier** Fosroc Limited  
 Drayton Manor Business Park  
 Coleshill Road  
 Tamworth  
 Staffordshire  
 B78 3XN  
 England  
 Tel: +44 (0) 1827 262222  
 Fax: +44 (0) 1827 262444  
 enquiryuk@fosroc.com

#### 1.4. Emergency telephone number

**Emergency telephone** +44 (0) 1827 265 279 (Monday-Sunday 24 hours a day)

### SECTION 2: Hazards identification

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

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

**Physical hazards** Not Classified

**Health hazards** Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317

**Environmental hazards** Not Classified

**Human health** Dust may irritate the eyes and the respiratory system. May cause skin sensitisation or allergic reactions in sensitive individuals.

#### 2.2. Label elements

##### Hazard pictograms



**Signal word** Warning

**Hazard statements** H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H319 Causes serious eye irritation.

## NITOMORTAR PE CONCRETE FILLER

**Precautionary statements**

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

**Contains** BENZOYL PEROXIDE

**Supplementary precautionary statements**

P261 Avoid breathing vapour/ spray.  
 P264 Wash contaminated skin thoroughly after handling.  
 P272 Contaminated work clothing should not be allowed out of the workplace.  
 P321 Specific treatment (see medical advice on this label).  
 P332+P313 If skin irritation occurs: Get medical advice/ attention.  
 P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.  
 P337+P313 If eye irritation persists: Get medical advice/ attention.  
 P362+P364 Take off contaminated clothing and wash it before reuse.

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>QUARTZ (SiO<sub>2</sub>)</b>	<b>60-100%</b>
CAS number: 14808-60-7	EC number: 238-878-4
<b>Classification</b>	
Not Classified	
<b>SLATE POWDER</b>	<b>10-30%</b>
CAS number: —	
<b>Classification</b>	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
STOT SE 3 - H335	
<b>BENZOYL PEROXIDE</b>	<b>1-5%</b>
CAS number: 94-36-0	EC number: 202-327-6
	REACH registration number: 01-2119511472-50-XXXX
M factor (Acute) = 10	M factor (Chronic) = 1
<b>Classification</b>	
Org. Perox. B - H241	
Eye Irrit. 2 - H319	
Skin Sens. 1 - H317	
Aquatic Acute 1 - H400	
Aquatic Chronic 1 - H410	

## NITOMORTAR PE CONCRETE FILLER

<b>TITANIUM DIOXIDE</b>	<b>&lt;1%</b>
CAS number: 13463-67-7	EC number: 236-675-5
	REACH registration number: 01-2119489379-17-0000
<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>General information</b>	Get medical attention if any discomfort continues.
<b>Inhalation</b>	Move affected person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. If breathing stops, provide artificial respiration. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Get medical attention. Never give anything by mouth to an unconscious person. Do not induce vomiting.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.
<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 any discomfort continues.

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

<b>Inhalation</b>	Dust may irritate the respiratory system.
<b>Skin contact</b>	May cause sensitisation by skin contact.
<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>	Treat symptomatically.
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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.
<b>Unsuitable extinguishing media</b>	Halon. Do not use water jet as an extinguisher, as this will spread the fire.

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

<b>Specific hazards</b>	If involved in a fire, it contains a component that will support combustion.
<b>Hazardous combustion products</b>	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

#### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	Risk of re-ignition after fire has been extinguished.
<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## NITOMORTAR PE CONCRETE FILLER

### 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. Avoid inhalation of dust. Avoid contact with skin and eyes.

#### 6.2. Environmental precautions

**Environmental precautions**      Avoid the spillage or runoff entering drains, sewers or watercourses.

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

**Methods for cleaning up**      Stop leak if possible without risk. No smoking, sparks, flames or other sources of ignition near spillage. Avoid generation and spreading of dust. Dampen spillage with water. Remove spillage with vacuum cleaner. If not possible, collect spillage with shovel, broom or the like. Do not close container tightly. Risk of excess pressure build-up.

#### 6.4. Reference to other sections

**Reference to other sections**      For personal protection, see Section 8.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions**      Provide adequate ventilation. Avoid spilling. Eliminate all sources of ignition. Avoid inhalation of dust. Avoid generation and spreading of dust. Contaminated clothing and shoes must be discarded.

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

**Storage precautions**      Keep separate from food, feedstuffs, fertilisers and other sensitive material. Keep only in the original container. Keep container dry. Protect from sunlight. Store at temperatures not exceeding 25°C. Isolate from other materials.

**Storage class**      Oxidiser 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

##### QUARTZ (SiO<sub>2</sub>)

Long-term exposure limit (8-hour TWA): WEL 0,1 mg/m<sup>3</sup> Respirable crystalline silica

##### BENZOYL PEROXIDE

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

Short-term exposure limit (15-minute): WEL

##### 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

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

##### DNEL

Industry - Inhalation; Long term systemic effects: 39 mg/m<sup>3</sup>

Industry - Dermal; Long term systemic effects: 13.3 mg/m<sup>3</sup>

## NITOMORTAR PE CONCRETE FILLER

<b>PNEC</b>	- Fresh water; 0.602 µg/l
	- marine water; 0.0602 µg/l
	- Intermittent release; 0.602 µg/l
	- STP; 0.35 mg/l
	- Sediment (Freshwater); 0.013 mg/kg
	- Soil; 0.003 mg/kg

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

<b>DNEL</b>	Industry - Inhalation; Long term : 10 mg/m <sup>3</sup>
	Consumer - Oral; Long term : 700 mg/kg/day

<b>PNEC</b>	- Fresh water; >1 mg/l
	- marine water; 0.127 mg/l
	- Soil; 100 mg/kg
	- STP; 100 mg/kg

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of dust. Observe any occupational exposure limits for the product or ingredients.

#### Eye/face protection

Wear tight-fitting, chemical splash goggles or face shield.

#### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. Rubber (natural, latex). Neoprene. Polyvinyl chloride (PVC).

#### Other skin and body protection

Wear apron or protective clothing in case of contact.

#### Hygiene measures

Provide eyewash station and safety shower. Promptly remove any clothing that becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet.

#### Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Particulate filter, type P1.

## SECTION 9: Physical and chemical properties

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

<b>Appearance</b>	Dusty powder.
<b>Colour</b>	Grey. Off-white
<b>Odour</b>	Odourless.
<b>Odour threshold</b>	Not determined.
<b>pH</b>	Not applicable.
<b>Melting point</b>	Not determined.
<b>Initial boiling point and range</b>	Not determined.
<b>Flash point</b>	Not applicable.

## NITOMORTAR PE CONCRETE FILLER

<b>Evaporation rate</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Decomposition products may be flammable.
<b>Vapour pressure</b>	Not applicable.
<b>Bulk density</b>	1.4 - 1.7 kg/l
<b>Solubility(ies)</b>	Insoluble in water.
<b>Partition coefficient</b>	Not determined.
<b>Auto-ignition temperature</b>	>380°C
<b>Explosive properties</b>	Not applicable.
<b>Oxidising properties</b>	Not determined.

### 9.2. Other information

**Other information** Not available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** The reactivity data for this product will be typical of those for the following class of materials: Peroxides.

### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures and when used as recommended. The product may not be stable under some conditions of storage or use.

### 10.3. Possibility of hazardous reactions

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

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid heat.

### 10.5. Incompatible materials

**Materials to avoid** Strong alkalis. Acids. Iron. Copper. Strong acids.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Benzoic acid.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

<b>General information</b>	No specific health hazards known.
<b>Skin contact</b>	May cause sensitisation by skin contact. Powder may irritate skin.
<b>Eye contact</b>	Irritating to eyes.

### Toxicological information on ingredients.

### BENZOYL PEROXIDE

#### Acute toxicity - oral

## NITOMORTAR PE CONCRETE FILLER

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> >5000 mg/kg, Oral, Rat

**Carcinogenicity**

**Carcinogenicity** NOAEL 500 mg/kg/day, Oral,

### TITANIUM DIOXIDE

**Acute toxicity - inhalation**

**Notes (inhalation LC<sub>50</sub>)** LC<sub>50</sub> >6.82 mg/l, Inhalation, Rat

**Skin corrosion/irritation**

**Animal data** Not irritating.

**Skin sensitisation**

**Skin sensitisation** - Guinea pig: Not sensitising.

**Carcinogenicity**

**IARC carcinogenicity** IARC Group 2B Possibly carcinogenic to humans.

**Specific target organ toxicity - single exposure**

**STOT - single exposure** Not classified as a specific target organ toxicant after a single exposure

**Specific target organ toxicity - repeated exposure**

**STOT - repeated exposure** Not classified as a specific target organ toxicant after repeated exposure.

**Aspiration hazard**

**Aspiration hazard** Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

**Ecotoxicity** The product is not expected to be toxic to aquatic organisms.

**Ecological information on ingredients.**

### BENZOYL PEROXIDE

**Ecotoxicity** Very toxic to aquatic life.

**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

**M factor (Acute)** 10

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 0.06 mg/l, Fish

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 0.11 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** IC<sub>50</sub>, 72 hours: 0.06 mg/l, Algae

**Acute toxicity - microorganisms** EC<sub>50</sub>, : 35 mg/l, Activated sludge

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### Chronic aquatic toxicity

<b>NOEC</b>	0.001 < NOEC ≤ 0.01
<b>Degradability</b>	Rapidly degradable
<b>M factor (Chronic)</b>	1

### TITANIUM DIOXIDE

### Acute aquatic toxicity

<b>Acute toxicity - fish</b>	LC50, 96 hours: > 10000 mg/l,
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### 12.2. Persistence and degradability

#### Ecological information on ingredients.

### BENZOYL PEROXIDE

<b>Persistence and degradability</b>	The product is biodegradable.
<b>Biodegradation</b>	OECD 301D - Degradation 71 %: 28 days

### 12.3. Bioaccumulative potential

<b>Partition coefficient</b>	Not determined.
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#### Ecological information on ingredients.

### BENZOYL PEROXIDE

<b>Bioaccumulative potential</b>	BCF: 66.6,
<b>Partition coefficient</b>	log Pow: 3.2

### TITANIUM DIOXIDE

<b>Bioaccumulative potential</b>	The product is not bioaccumulating.
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### 12.4. Mobility in soil

<b>Mobility</b>	The product is insoluble in water.
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### 12.5. Results of PBT and vPvB assessment

<b>Results of PBT and vPvB assessment</b>	This substance is not classified as PBT or vPvB according to current EU criteria.
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#### Ecological information on ingredients.

### BENZOYL PEROXIDE

<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>	None known.
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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

<b>General information</b>	Waste is classified as hazardous waste.
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## NITOMORTAR PE CONCRETE FILLER

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### SECTION 14: Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

#### 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

**National regulations** Control of Substances Hazardous to Health Regulations 2002 (as amended).

**EU legislation** Commission Regulation (EU) No 453/2010 of 20 May 2010.  
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).  
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

**Guidance** Workplace Exposure Limits EH40.  
Approved Classification and Labelling Guide (Sixth edition) L131.

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

**General information** For professional users only. The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

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

## NITOMORTAR PE CONCRETE FILLER

<b>Revision date</b>	28/10/2019
<b>Revision</b>	5b
<b>Supersedes date</b>	26/05/2017
<b>SDS number</b>	12188
<b>Hazard statements in full</b>	H241 Heating may cause a fire or explosion. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H335 May cause respiratory irritation.

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 NITOMORTAR PE FILLER

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

#### 1.1. Product identifier

**Product name** NITOMORTAR PE FILLER

**Product number** A1992103 UK9

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

**Identified uses** Filler component of two-part polyester resin grout.

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

**Supplier** Fosroc Limited  
 Drayton Manor Business Park  
 Coleshill Road  
 Tamworth  
 Staffordshire  
 B78 3XN  
 England  
 Tel: +44 (0) 1827 262222  
 Fax: +44 (0) 1827 262444  
 enquiryuk@fosroc.com

#### 1.4. Emergency telephone number

**Emergency telephone** +44 (0) 1827 265 279 (Monday-Sunday 24 hours a day)

### SECTION 2: Hazards identification

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

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

**Physical hazards** Not Classified

**Health hazards** Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317

**Environmental hazards** Not Classified

**Human health** Dust may irritate the eyes and the respiratory system. May cause skin sensitisation or allergic reactions in sensitive individuals.

#### 2.2. Label elements

##### Hazard pictograms



**Signal word** Warning

**Hazard statements** H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H317 May cause an allergic skin reaction.

## NITOMORTAR PE FILLER

**Precautionary statements**

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

**Contains** BENZOYL PEROXIDE

**Supplementary precautionary statements**

P261 Avoid breathing vapour/ spray.  
 P264 Wash contaminated skin thoroughly after handling.  
 P272 Contaminated work clothing should not be allowed out of the workplace.  
 P321 Specific treatment (see medical advice on this label).  
 P332+P313 If skin irritation occurs: Get medical advice/ attention.  
 P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.  
 P337+P313 If eye irritation persists: Get medical advice/ attention.  
 P362+P364 Take off contaminated clothing and wash it before reuse.

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>QUARTZ (SiO<sub>2</sub>)</b>	<b>60-100%</b>
CAS number: 14808-60-7	EC number: 238-878-4
<b>Classification</b> Not Classified	
<b>SLATE POWDER</b>	<b>10-30%</b>
CAS number: —	
<b>Classification</b> Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335	
<b>BENZOYL PEROXIDE</b>	<b>1-5%</b>
CAS number: 94-36-0	EC number: 202-327-6
	REACH registration number: 01-2119511472-50-XXXX
M factor (Acute) = 10	M factor (Chronic) = 1
<b>Classification</b> Org. Perox. B - H241 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	

## NITOMORTAR PE FILLER

<b>TITANIUM DIOXIDE</b>		<b>&lt;1%</b>
CAS number: 13463-67-7	EC number: 236-675-5	REACH registration number: 01-2119489379-17-XXXX
<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>General information</b>	Get medical attention if any discomfort continues.
<b>Inhalation</b>	Move affected person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. If breathing stops, provide artificial respiration. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Get medical attention. Never give anything by mouth to an unconscious person. Do not induce vomiting.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.
<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 any discomfort continues.

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

<b>Inhalation</b>	Dust may irritate the respiratory system.
<b>Skin contact</b>	May cause sensitisation by skin contact.
<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>	Treat symptomatically.
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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.
<b>Unsuitable extinguishing media</b>	Halon. Do not use water jet as an extinguisher, as this will spread the fire.

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

<b>Specific hazards</b>	If involved in a fire, it contains a component that will support combustion.
<b>Hazardous combustion products</b>	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

#### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	Risk of re-ignition after fire has been extinguished.
<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## NITOMORTAR PE FILLER

### 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. Avoid inhalation of dust. Avoid contact with skin and eyes.

#### 6.2. Environmental precautions

**Environmental precautions**      Avoid the spillage or runoff entering drains, sewers or watercourses.

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

**Methods for cleaning up**      Stop leak if possible without risk. No smoking, sparks, flames or other sources of ignition near spillage. Avoid generation and spreading of dust. Dampen spillage with water. Remove spillage with vacuum cleaner. If not possible, collect spillage with shovel, broom or the like. Do not close container tightly. Risk of excess pressure build-up.

#### 6.4. Reference to other sections

**Reference to other sections**      For personal protection, see Section 8.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions**      Provide adequate ventilation. Avoid spilling. Avoid contact with skin and eyes. Eliminate all sources of ignition. Avoid inhalation of dust. Avoid generation and spreading of dust. Contaminated clothing and shoes must be discarded.

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

**Storage precautions**      Keep separate from food, feedstuffs, fertilisers and other sensitive material. Keep only in the original container. Keep container dry. Protect from sunlight. Store at temperatures not exceeding 25°C. Isolate from other materials.

**Storage class**      Oxidiser 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

##### **QUARTZ (SiO<sub>2</sub>)**

Long-term exposure limit (8-hour TWA): WEL 0,1 mg/m<sup>3</sup> Respirable crystalline silica

##### **BENZOYL PEROXIDE**

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

Short-term exposure limit (15-minute): WEL

##### **TITANIUM DIOXIDE**

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

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

WEL = Workplace Exposure Limit

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

##### **DNEL**

Industry - Inhalation; Long term systemic effects: 39 mg/m<sup>3</sup>

Industry - Dermal; Long term systemic effects: 13.3 mg/m<sup>3</sup>

## NITOMORTAR PE FILLER

<b>PNEC</b>	<ul style="list-style-type: none"> <li>- Fresh water; 0.602 µg/l</li> <li>- marine water; 0.0602 µg/l</li> <li>- Intermittent release; 0.602 µg/l</li> <li>- STP; 0.35 mg/l</li> <li>- Sediment (Freshwater); 0.013 mg/kg</li> <li>- Soil; 0.003 mg/kg</li> </ul>
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### TITANIUM DIOXIDE (CAS: 13463-67-7)

<b>DNEL</b>	<p>Industry - Inhalation; Long term local effects: 10 mg/m<sup>3</sup></p> <p>Consumer - Oral; Long term systemic effects: 700 mg/kg/day</p>
<b>PNEC</b>	<ul style="list-style-type: none"> <li>- Fresh water; 0.127 mg/l</li> <li>- Sediment (Freshwater); &gt;=1000 mg/kg</li> <li>- marine water; 1 mg/l</li> <li>- Sediment (Marinewater); &gt;= 100 mg/kg</li> <li>- Soil; 100 mg/kg</li> <li>- STP; 100 mg/l</li> </ul>

## 8.2. Exposure controls

### Protective equipment



### Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of dust. Observe any occupational exposure limits for the product or ingredients.

### Eye/face protection

Wear tight-fitting, chemical splash goggles or face shield.

### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. Rubber (natural, latex). Neoprene. Polyvinyl chloride (PVC).

### Other skin and body protection

Wear apron or protective clothing in case of contact.

### Hygiene measures

Provide eyewash station and safety shower. Promptly remove any clothing that becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet. This product contains silica sands.

The grain size distribution of silica sand present means that it is not classified as hazardous. However, any respirable crystalline dust generated by secondary processing may cause health effects.

Prolonged and /or massive inhalation of respirable crystalline silica dust may cause lung fibrosis, commonly referred to as silicosis. Principal symptoms of silicosis are cough and breathlessness.

Occupational exposure to respirable crystalline silica dust should be monitored and controlled.

### Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Particulate filter, type P1.

## SECTION 9: Physical and chemical properties

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

<b>Appearance</b>	Dusty powder.
<b>Colour</b>	Grey. Off-white
<b>Odour</b>	Odourless.

## NITOMORTAR PE FILLER

<b>Odour threshold</b>	Not determined.
<b>pH</b>	Not applicable.
<b>Melting point</b>	Not determined.
<b>Initial boiling point and range</b>	Not determined.
<b>Flash point</b>	Not applicable.
<b>Evaporation rate</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Decomposition products may be flammable.
<b>Vapour pressure</b>	Not applicable.
<b>Bulk density</b>	1.4 - 1.7 kg/l
<b>Solubility(ies)</b>	Insoluble in water.
<b>Partition coefficient</b>	Not determined.
<b>Auto-ignition temperature</b>	>380°C
<b>Explosive properties</b>	Not applicable.
<b>Oxidising properties</b>	Not determined.

### 9.2. Other information

**Other information** Not available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** The reactivity data for this product will be typical of those for the following class of materials: Peroxides.

### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures and when used as recommended. The product may not be stable under some conditions of storage or use.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** The process of reaction is exothermic.

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid heat.

### 10.5. Incompatible materials

**Materials to avoid** Strong alkalis. Acids. Iron. Copper. Strong acids.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Benzoic acid.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**General information** No specific health hazards known.

**Skin contact** May cause sensitisation by skin contact. Powder may irritate skin.



## NITOMORTAR PE FILLER

**Eye contact** Irritating to eyes.

### Toxicological information on ingredients.

#### BENZOYL PEROXIDE

##### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> >5000 mg/kg, Oral, Rat

##### Carcinogenicity

**Carcinogenicity** NOAEL 500 mg/kg/day, Oral,

#### TITANIUM DIOXIDE

##### Acute toxicity - oral

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

**Species** Rat

##### Acute toxicity - inhalation

**Acute toxicity inhalation (LC<sub>50</sub> dust/mist mg/l)** 6.82

**Species** Rat

**ATE inhalation (dusts/mists mg/l)** 6.82

### SECTION 12: Ecological information

**Ecotoxicity** Dangerous for the environment.

### Ecological information on ingredients.

#### BENZOYL PEROXIDE

**Ecotoxicity** Very toxic to aquatic life.

#### 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

**M factor (Acute)** 10

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 0.06 mg/l, Fish

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 0.11 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** IC<sub>50</sub>, 72 hours: 0.06 mg/l, Algae

**Acute toxicity - microorganisms** EC<sub>50</sub>, : 35 mg/l, Activated sludge

##### Chronic aquatic toxicity

## NITOMORTAR PE FILLER

<b>NOEC</b>	0.001 < NOEC ≤ 0.01
<b>Degradability</b>	Rapidly degradable
<b>M factor (Chronic)</b>	1

### TITANIUM DIOXIDE

#### Acute aquatic toxicity

<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: >1000 mg/l mg/l, Fish
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: >100 mg/l mg/l, Daphnia magna

### 12.2. Persistence and degradability

#### Ecological information on ingredients.

### BENZOYL PEROXIDE

<b>Persistence and degradability</b>	The product is biodegradable.
<b>Biodegradation</b>	OECD 301D - Degradation 71 %: 28 days

### 12.3. Bioaccumulative potential

<b>Partition coefficient</b>	Not determined.
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#### Ecological information on ingredients.

### BENZOYL PEROXIDE

<b>Bioaccumulative potential</b>	BCF: 66.6,
<b>Partition coefficient</b>	log Pow: 3.2

### TITANIUM DIOXIDE

<b>Bioaccumulative potential</b>	The product is not bioaccumulating.
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### 12.4. Mobility in soil

<b>Mobility</b>	The product is insoluble in water.
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### 12.5. Results of PBT and vPvB assessment

<b>Results of PBT and vPvB assessment</b>	This substance is not classified as PBT or vPvB according to current EU criteria.
-------------------------------------------	-----------------------------------------------------------------------------------

#### Ecological information on ingredients.

### BENZOYL PEROXIDE

<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>	None known.
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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

## NITOMORTAR PE FILLER

<b>General information</b>	Waste is classified as hazardous waste.
<b>Disposal methods</b>	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### 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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#### 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

**National regulations** Control of Substances Hazardous to Health Regulations 2002 (as amended).

**EU legislation** Commission Regulation (EU) No 453/2010 of 20 May 2010.  
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).  
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

**Guidance** Workplace Exposure Limits EH40.  
Approved Classification and Labelling Guide (Sixth edition) L131.

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

**General information** For professional users only. The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

## NITOMORTAR PE FILLER

<b>Revision comments</b>	NOTE: Lines within the margin indicate significant changes from the previous revision.
<b>Revision date</b>	24/10/2019
<b>Revision</b>	5b
<b>Supersedes date</b>	26/05/2017
<b>SDS number</b>	12901
<b>Hazard statements in full</b>	H241 Heating may cause a fire or explosion. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H400 Very toxic to aquatic life. H410 Very 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.



## SAFETY DATA SHEET NITOMORTAR PE STANDARD RESIN

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

#### 1.1. Product identifier

**Product name** NITOMORTAR PE STANDARD RESIN

**Product number** A1922180 UK9

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

**Identified uses** Grouts and anchors

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

**Supplier** Fosroc Limited  
Drayton Manor Business Park  
Coleshill Road  
Tamworth  
Staffordshire  
B78 3XN  
England  
Tel: +44 (0) 1827 262222  
Fax: +44 (0) 1827 262444  
enquiryuk@fosroc.com

#### 1.4. Emergency telephone number

**Emergency telephone** +44 (0) 1827 265 279 (Monday-Sunday 24 hours a day)

### SECTION 2: Hazards identification

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

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

**Physical hazards** Flam. Liq. 3 - H226

**Health hazards** Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Repr. 2 - H361d STOT SE 3 - H335 STOT RE 1 - H372

**Environmental hazards** Aquatic Chronic 3 - H412

**Human health** The product is irritating to eyes and skin. Harmful by inhalation. Contains a substance/a group of substances which may damage fertility and the unborn child.

**Physicochemical** Heating may generate flammable vapours. Vapours may form explosive mixtures with air.

#### 2.2. Label elements

##### Hazard pictograms



**Signal word**

Danger

## NITOMORTAR PE STANDARD RESIN

<b>Hazard statements</b>	<p>EUH208 Contains PHTHALIC ANHYDRIDE. May produce an allergic reaction.</p> <p>H226 Flammable liquid and vapour.</p> <p>H315 Causes skin irritation.</p> <p>H319 Causes serious eye irritation.</p> <p>H361d Suspected of damaging the unborn child.</p> <p>H335 May cause respiratory irritation.</p> <p>H372 Causes damage to organs through prolonged or repeated exposure.</p> <p>H412 Harmful to aquatic life with long lasting effects.</p>
<b>Precautionary statements</b>	<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P260 Do not breathe vapour/ spray.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P263 Avoid contact during pregnancy and while nursing.</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>
<b>Contains</b>	<p>STYRENE</p>
<b>Supplementary precautionary statements</b>	<p>P201 Obtain special instructions before use.</p> <p>P202 Do not handle until all safety precautions have been read and understood.</p> <p>P240 Ground and bond container and receiving equipment.</p> <p>P241 Use explosion-proof electrical equipment.</p> <p>P242 Use non-sparking tools.</p> <p>P243 Take action to prevent static discharges.</p> <p>P261 Avoid breathing vapour/ spray.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P273 Avoid release to the environment.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P308+P313 IF exposed or concerned: Get medical advice/ attention.</p> <p>P312 Call a POISON CENTRE/doctor if you feel unwell.</p> <p>P314 Get medical advice/ attention if you feel unwell.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P332+P313 If skin irritation occurs: Get medical advice/ attention.</p> <p>P337+P313 If eye irritation persists: Get medical advice/ attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.</p> <p>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P403+P235 Store in a well-ventilated place. Keep cool.</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

## NITOMORTAR PE STANDARD RESIN

<b>STYRENE</b>	<b>30-60%</b>
CAS number: 100-42-5	EC number: 202-851-5
<b>Classification</b> 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 Aquatic Chronic 3 - H412	
<b>PHTHALIC ANHYDRIDE</b>	<b>&lt;1%</b>
CAS number: 85-44-9	EC number: 201-607-5
<b>Classification</b> Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Resp. Sens. 1 - H334 Skin Sens. 1 - H317 STOT SE 3 - H335	
<b>HYDROQUINONE</b>	<b>&lt;1%</b>
CAS number: 123-31-9	EC number: 204-617-8
	REACH registration number: 01-2119524016-51-XXXX
M factor (Acute) = 10	
<b>Classification</b> Acute Tox. 4 - H302 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Muta. 2 - H341 Carc. 2 - H351 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>	Do Not induce vomiting. Get medical attention immediately. Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<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 irritation persists after washing.

## NITOMORTAR PE STANDARD RESIN

**Eye contact** Remove affected person from source of contamination. Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

**General information** The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

**Inhalation** Vapours may cause drowsiness and dizziness. Headache.

**Ingestion** May cause discomfort if swallowed.

**Skin contact** Skin irritation. Allergic rash.

**Eye contact** Causes serious eye damage.

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

**Notes for the doctor** Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

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

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

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

**Specific hazards** Containers can burst violently or explode when heated, due to excessive pressure build-up.

**Hazardous combustion products** Oxides of carbon.

### 5.3. Advice for firefighters

**Protective actions during firefighting** Cool containers exposed to flames with water until well after the fire is out.

**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. Avoid inhalation of vapours and contact with skin and eyes.

### 6.2. Environmental precautions

**Environmental precautions** Avoid release to the environment. Collect and dispose of spillage as indicated in Section 13.

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

**Methods for cleaning up** No smoking, sparks, flames or other sources of ignition near spillage. Absorb in vermiculite, dry sand or earth and place into containers. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13. Avoid the spillage or runoff entering drains, sewers or watercourses.

### 6.4. Reference to other sections

**Reference to other sections** For waste disposal, see section 13.

## SECTION 7: Handling and storage



## NITOMORTAR PE STANDARD RESIN

### 7.1. Precautions for safe handling

**Usage precautions** Mechanical ventilation or local exhaust ventilation may be required. Avoid inhalation of vapours/spray and contact with skin and eyes. Static electricity and formation of sparks must be prevented. Do not eat, drink or smoke when using the product.

### 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. Store in closed original container at temperatures between 5°C and 30°C. Keep away from heat, sparks and open flame. Unsuitable containers: copper, zinc, aluminium, copper alloy, zinc alloy, aluminium alloy. May attack some plastics, rubber and coatings.

**Storage class** Chemical storage. Flammable liquid 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/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 250 ppm 1080 mg/m<sup>3</sup>

#### PHTHALIC ANHYDRIDE

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

Short-term exposure limit (15-minute): WEL 12 mg/m<sup>3</sup>

Sen

#### HYDROQUINONE

Long-term exposure limit (8-hour TWA): WEL 0.5 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

Sen = Capable of causing occupational asthma.

**Ingredient comments** WEL = Workplace Exposure Limits

#### STYRENE (CAS: 100-42-5)

#### DNEL

Workers - Inhalation; Long term systemic effects: 85 mg/m<sup>3</sup>

Workers - Inhalation; Short term : 289 mg/m<sup>3</sup>

Workers - Dermal; Long term systemic effects: 406 mg/kg/day

### 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. The following protection should be worn: Chemical splash goggles or face shield.

## NITOMORTAR PE STANDARD RESIN

<b>Hand protection</b>	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. It is recommended that gloves are made of the following material: Neoprene.
<b>Other skin and body protection</b>	Wear appropriate clothing to prevent any possibility of skin contact. Wear apron or protective clothing in case of contact.
<b>Hygiene measures</b>	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. When using do not eat, drink or smoke. Do not smoke in work area.
<b>Respiratory protection</b>	Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. Wear a respirator fitted with the following cartridge: Organic vapour filter.

### SECTION 9: Physical and chemical properties

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

<b>Appearance</b>	Liquid.
<b>Colour</b>	Yellow.
<b>Odour</b>	Pungent, characteristic of styrene.
<b>Odour threshold</b>	Not determined.
<b>pH</b>	Not determined.
<b>Melting point</b>	Not applicable.
<b>Initial boiling point and range</b>	145°C @ 101 kPa
<b>Flash point</b>	31°C
<b>Evaporation rate</b>	Not determined.
<b>Evaporation factor</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	Lower flammable/explosive limit: 1.1 Upper flammable/explosive limit: 6.1
<b>Other flammability</b>	Not determined.
<b>Vapour pressure</b>	652 Pa @ 20°C
<b>Vapour density</b>	Not determined.
<b>Relative density</b>	1.1 @ 20°C
<b>Bulk density</b>	Not applicable.
<b>Solubility(ies)</b>	Insoluble in water.
<b>Partition coefficient</b>	Not determined.
<b>Auto-ignition temperature</b>	490°C
<b>Decomposition Temperature</b>	Not determined.
<b>Viscosity</b>	700 - 800 mPa s @ 20°C
<b>Explosive properties</b>	Not considered to be explosive.

## NITOMORTAR PE STANDARD RESIN

**Explosive under the influence of a flame** Not considered to be explosive.

**Oxidising properties** Does not meet the criteria for classification as oxidising.

### 9.2. Other information

**Other information** No data available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** Exothermic polymerization.

### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Polymerises easily with evolution of heat.

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid heat, flames and other sources of ignition. Protect against direct sunlight.

### 10.5. Incompatible materials

**Materials to avoid** Strong oxidising agents. Catalyst. Peroxides.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - inhalation

**ATE inhalation (vapours mg/l)** 27.51

#### Skin sensitisation

**Skin sensitisation** Based on available data the classification criteria are not met.

#### Reproductive toxicity

**Reproductive toxicity - development** Contains an ingredient listed as: Suspected of damaging fertility. Suspected of damaging the unborn child.

#### **Inhalation**

Harmful by inhalation. Vapours may irritate throat/respiratory system. Symptoms following overexposure may include the following: Headache. Dizziness. Drowsiness.

#### **Ingestion**

No specific health hazards known.

#### **Skin contact**

Irritating to skin.

#### **Eye contact**

Causes serious eye irritation.

#### **Acute and chronic health hazards**

May cause skin sensitisation or allergic reactions in sensitive individuals.

#### **Route of exposure**

Inhalation

### Toxicological information on ingredients.

## NITOMORTAR PE STANDARD RESIN

### STYRENE

#### Acute toxicity - dermal

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

#### Acute toxicity - inhalation

Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l) 11.8

Species Rat

ATE inhalation (vapours mg/l) 11.8

### PHTHALIC ANHYDRIDE

#### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> 1,530.0 mg/kg)

Species Rat

ATE oral (mg/kg) 1,530.0

### HYDROQUINONE

#### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> 375.0 mg/kg)

Species Rat

ATE oral (mg/kg) 375.0

#### Carcinogenicity

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

### SECTION 12: Ecological information

**Ecotoxicity** The product is not expected to be hazardous to the environment. However, large or frequent spills may have hazardous effects on the environment.

#### 12.1. Toxicity

**Toxicity** There are no data on the ecotoxicity of this product.

#### Ecological information on ingredients.

### STYRENE

#### Acute aquatic toxicity

Acute toxicity - fish LC<sub>50</sub>, 96 hours: 13.09 mg/l, Fish

Acute toxicity - aquatic invertebrates LC<sub>50</sub>, 48 hours: 8.428 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC<sub>50</sub>, 96 hours: 5.901 mg/l, Algae

## NITOMORTAR PE STANDARD RESIN

### HYDROQUINONE

#### Acute aquatic toxicity

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

M factor (Acute) 10

#### 12.2. Persistence and degradability

**Persistence and degradability** The product is readily biodegradable.

#### Ecological information on ingredients.

### STYRENE

**Persistence and degradability** The product is readily biodegradable.

#### 12.3. Bioaccumulative potential

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

**Partition coefficient** Not determined.

#### Ecological information on ingredients.

### STYRENE

**Bioaccumulative potential** Not expected to be bioaccumulative.

**Partition coefficient** log Pow: 3.05

#### 12.4. Mobility in soil

**Mobility** Not considered mobile.

#### 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** None known.

### **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

**General information** Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**Disposal methods** Dispose of waste via a licensed waste disposal contractor. Waste material and any included combustible absorbent and containers should be suitable for incineration at an approved facility. Note that fully cured material is not considered as hazardous waste. Absorb in vermiculite, dry sand or earth and place into containers.

### **SECTION 14: Transport information**

#### 14.1. UN number

UN No. (ADR/RID) 1866

UN No. (IMDG) 1866

UN No. (ICAO) 1866

## NITOMORTAR PE STANDARD RESIN

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

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**

## NITOMORTAR PE STANDARD RESIN

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

<b>National regulations</b>	Control of Substances Hazardous to Health Regulations 2002 (as amended).
<b>EU legislation</b>	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Commission Regulation (EU) No 2015/830 of 28 May 2015.
<b>Guidance</b>	Workplace Exposure Limits EH40. Approved Classification and Labelling Guide (Sixth edition) L131. Safety Data Sheets for Substances and Preparations.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

<b>General information</b>	For professional users only. The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.
<b>Revision comments</b>	NOTE: Lines within the margin indicate significant changes from the previous revision.
<b>Revision date</b>	17/10/2019
<b>Revision</b>	6
<b>Supersedes date</b>	22/10/2018
<b>SDS number</b>	12899
<b>Hazard statements in full</b>	H226 Flammable liquid and vapour. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 May cause respiratory irritation. H341 Suspected of causing genetic defects. H351 Suspected of causing cancer. H361d Suspected of damaging the unborn child. H372 Causes damage to organs through prolonged or repeated exposure. H372 Causes damage to organs (Hearing organs) through prolonged or repeated exposure. H400 Very toxic to aquatic life. H412 Harmful to aquatic life with long lasting effects. EUH208 Contains PHTHALIC ANHYDRIDE. May produce an allergic reaction.

The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.



## SAFETY DATA SHEET NITOMORTAR PE WINTER GRADE RESIN

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

#### 1.1. Product identifier

**Product name** NITOMORTAR PE WINTER GRADE RESIN

**Product number** A1922201UK9

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

**Identified uses** Grouts and anchors

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

**Supplier** Fosroc Limited  
Drayton Manor Business Park  
Coleshill Road  
Tamworth  
Staffordshire  
B78 3XN  
England  
Tel: +44 (0) 1827 262222  
Fax: +44 (0) 1827 262444  
enquiryuk@fosroc.com

#### 1.4. Emergency telephone number

**Emergency telephone** +44 (0) 1827 265 279 (Monday-Sunday 24 hours a day)

### SECTION 2: Hazards identification

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

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

**Physical hazards** Flam. Liq. 3 - H226

**Health hazards** Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Elicitation - EUH208 Repr. 2 - H361d STOT RE 1 - H372

**Environmental hazards** Not Classified

**Human health** The product is irritating to eyes and skin. Harmful by inhalation. May cause sensitisation by skin contact.

**Physicochemical** Heating may generate flammable vapours. Vapours may form explosive mixtures with air.

#### 2.2. Label elements

##### Hazard pictograms



**Signal word**

**Danger**



## NITOMORTAR PE WINTER GRADE RESIN

<b>Hazard statements</b>	<p>H226 Flammable liquid and vapour.  H315 Causes skin irritation.  H319 Causes serious eye irritation.  H332 Harmful if inhaled.  H361d Suspected of damaging the unborn child.  H372 Causes damage to organs through prolonged or repeated exposure.  EUH208 Contains PHTHALIC ANHYDRIDE. May produce an allergic reaction.</p>
<b>Precautionary statements</b>	<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  P260 Do not breathe vapour/ spray.  P263 Avoid contact during pregnancy and while nursing.  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.</p>
<b>Contains</b>	<p>STYRENE</p>
<b>Supplementary precautionary statements</b>	<p>P201 Obtain special instructions before use.  P202 Do not handle until all safety precautions have been read and understood.  P233 Keep container tightly closed.  P240 Ground and bond container and receiving equipment.  P241 Use explosion-proof electrical equipment.  P242 Use non-sparking tools.  P243 Take action to prevent static discharges.  P261 Avoid breathing vapour/ spray.  P264 Wash contaminated skin thoroughly after handling.  P270 Do not eat, drink or smoke when using this product.  P271 Use only outdoors or in a well-ventilated area.  P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  P308+P313 IF exposed or concerned: Get medical advice/ attention.  P312 Call a POISON CENTRE/doctor if you feel unwell.  P314 Get medical advice/ attention if you feel unwell.  P321 Specific treatment (see medical advice on this label).  P332+P313 If skin irritation occurs: Get medical advice/ attention.  P337+P313 If eye irritation persists: Get medical advice/ attention.  P362+P364 Take off contaminated clothing and wash it before reuse.  P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.  P403+P235 Store in a well-ventilated place. Keep cool.  P405 Store locked up.  P501 Dispose of contents/ container in accordance with national regulations.</p>

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

## NITOMORTAR PE WINTER GRADE RESIN

<b>STYRENE</b>	<b>30-60%</b>
CAS number: 100-42-5	EC number: 202-851-5
<b>Classification</b> 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 Aquatic Chronic 3 - H412	
<b>PHTHALIC ANHYDRIDE</b>	<b>&lt;1%</b>
CAS number: 85-44-9	EC number: 201-607-5
<b>Classification</b> Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Resp. Sens. 1 - H334 Skin Sens. 1 - H317 STOT SE 3 - H335	
<b>HYDROQUINONE</b>	<b>&lt;1%</b>
CAS number: 123-31-9	EC number: 204-617-8
	REACH registration number: 01-2119524016-51-XXXX
M factor (Acute) = 10	
<b>Classification</b> Acute Tox. 4 - H302 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Muta. 2 - H341 Carc. 2 - H351 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>	Do Not induce vomiting. Get medical attention immediately. Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<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 irritation persists after washing.

## NITOMORTAR PE WINTER GRADE RESIN

**Eye contact** Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

**General information** The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

**Inhalation** Vapours may cause drowsiness and dizziness. Headache.

**Ingestion** May cause discomfort if swallowed.

**Skin contact** Skin irritation. Allergic rash.

**Eye contact** Causes serious eye damage.

### 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, dry powder or water fog.

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

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

**Specific hazards** Containers can burst violently or explode when heated, due to excessive pressure build-up.

**Hazardous combustion products** Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon.

### 5.3. Advice for firefighters

**Protective actions during firefighting** Cool containers exposed to flames with water until well after the fire is out.

**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. Avoid inhalation of vapours and contact with skin and eyes. No smoking, sparks, flames or other sources of ignition near spillage.

### 6.2. Environmental precautions

**Environmental precautions** Avoid release to the environment. Collect and dispose of spillage as indicated in Section 13.

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

**Methods for cleaning up** No smoking, sparks, flames or other sources of ignition near spillage. Absorb in vermiculite, dry sand or earth and place into containers. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13. Avoid the spillage or runoff entering drains, sewers or watercourses.

### 6.4. Reference to other sections

**Reference to other sections** For waste disposal, see section 13.

## NITOMORTAR PE WINTER GRADE RESIN

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Mechanical ventilation or local exhaust ventilation may be required. Avoid inhalation of vapours/spray and contact with skin and eyes. Static electricity and formation of sparks must be prevented. Do not eat, drink or smoke when using the product.

#### 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. Store in closed original container at temperatures between 5°C and 30°C. Keep away from heat, sparks and open flame. Unsuitable containers: copper, zinc, aluminium, copper alloy, zinc alloy, aluminium alloy. May attack some plastics, rubber and coatings.

**Storage class** Chemical storage. Flammable liquid 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/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 250 ppm 1080 mg/m<sup>3</sup>

##### PHTHALIC ANHYDRIDE

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

Short-term exposure limit (15-minute): WEL 12 mg/m<sup>3</sup>

Sen

##### HYDROQUINONE

Long-term exposure limit (8-hour TWA): WEL 0.5 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

Sen = Capable of causing occupational asthma.

**Ingredient comments** WEL = Workplace Exposure Limits

#### STYRENE (CAS: 100-42-5)

##### DNEL

Workers - Inhalation; Long term systemic effects: 85 mg/m<sup>3</sup>

Workers - Inhalation; Short term : 289 mg/m<sup>3</sup>

Workers - Dermal; Long term systemic effects: 406 mg/kg/day

#### 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. The following protection should be worn: Chemical splash goggles or face shield.

## NITOMORTAR PE WINTER GRADE RESIN

<b>Hand protection</b>	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Neoprene.
<b>Other skin and body protection</b>	Wear appropriate clothing to prevent any possibility of skin contact. Wear apron or protective clothing in case of contact.
<b>Hygiene measures</b>	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. When using do not eat, drink or smoke. Do not smoke in work area.
<b>Respiratory protection</b>	Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. Wear a respirator fitted with the following cartridge: Organic vapour filter.

### SECTION 9: Physical and chemical properties

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

<b>Appearance</b>	Liquid.
<b>Colour</b>	Yellow.
<b>Odour</b>	Pungent, characteristic of styrene.
<b>Odour threshold</b>	Not determined.
<b>Initial boiling point and range</b>	145°C @ 101 kPa
<b>Flash point</b>	31°C
<b>Evaporation rate</b>	Not determined.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	Upper flammable/explosive limit: 6.1 Lower flammable/explosive limit: 1.1
<b>Vapour pressure</b>	652 Pa @ 20°C
<b>Vapour density</b>	Not determined.
<b>Relative density</b>	1.1 @ 20°C
<b>Solubility(ies)</b>	Insoluble in water.
<b>Auto-ignition temperature</b>	490°C
<b>Viscosity</b>	700 - 800 mPa s @ 20°C
<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>	Does not meet the criteria for classification as oxidising.

#### 9.2. Other information

<b>Other information</b>	Not available.
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
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#### 10.2. Chemical stability

## NITOMORTAR PE WINTER GRADE RESIN

**Stability** Stable at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Not known. Polymerises easily with evolution of heat. Avoid heat. Avoid contact with peroxides. Radical formers.

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid heat, flames and other sources of ignition. Protect against direct sunlight.

### 10.5. Incompatible materials

**Materials to avoid** Strong oxidising agents. Catalyst. Peroxides.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - inhalation

**Acute toxicity inhalation (LC<sub>50</sub> dust/mist mg/l)** 3.704

**Species** Rat

**ATE inhalation (dusts/mists mg/l)** 3.7

#### Skin sensitisation

**Skin sensitisation** Based on available data the classification criteria are not met.

#### Reproductive toxicity

**Reproductive toxicity - fertility** Suspected of damaging fertility.

**Reproductive toxicity - development** Suspected of damaging the unborn child.

#### Aspiration hazard

**Aspiration hazard** Based on available data the classification criteria are not met.

**Inhalation** Harmful by inhalation. Vapours may irritate throat/respiratory system. Symptoms following overexposure may include the following: Headache. Dizziness. Drowsiness.

**Ingestion** No specific health hazards known.

**Skin contact** Irritating to skin.

**Eye contact** Causes serious eye irritation.

**Acute and chronic health hazards** May cause an allergic reaction.

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

### Toxicological information on ingredients.

#### STYRENE

#### Acute toxicity - dermal

## NITOMORTAR PE WINTER GRADE RESIN

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

**Acute toxicity - inhalation**

**Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)** 11.8

**Species** Rat

**ATE inhalation (vapours mg/l)** 11.8

### SECTION 12: Ecological information

**Ecotoxicity** The product is not expected to be hazardous to the environment. However, large or frequent spills may have hazardous effects on the environment.

#### 12.1. Toxicity

**Toxicity** There are no data on the ecotoxicity of this product.

#### Ecological information on ingredients.

##### STYRENE

**Acute aquatic toxicity**

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 13.09 mg/l, Fish

**Acute toxicity - aquatic invertebrates** LC<sub>50</sub>, 48 hours: 8.428 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 96 hours: 5.901 mg/l, Algae

#### 12.2. Persistence and degradability

**Persistence and degradability** The product is readily biodegradable.

#### Ecological information on ingredients.

##### STYRENE

**Persistence and degradability** The product is readily biodegradable.

#### 12.3. Bioaccumulative potential

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

#### Ecological information on ingredients.

##### STYRENE

**Bioaccumulative potential** Not expected to be bioaccumulative.

**Partition coefficient** log Pow: 3.05

#### 12.4. Mobility in soil

**Mobility** The product is insoluble in water. The product contains organic solvents which will evaporate easily from all surfaces.

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

## NITOMORTAR PE WINTER GRADE RESIN

**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 relevant.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information**      Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**Disposal methods**      Absorb in vermiculite, dry sand or earth and place into containers. Dispose of waste via a licensed waste disposal contractor. Waste material and any included combustible absorbent and containers should be suitable for incineration at an approved facility. Note that fully cured material is not considered as hazardous waste.

## 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



## NITOMORTAR PE WINTER GRADE RESIN

ICAO packing group III

ADN packing group III

### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

### 14.6. Special precautions for user

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.

Not applicable.

## SECTION 15: Regulatory information

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

**National regulations** The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).

**EU legislation** Commission Regulation (EU) No 453/2010 of 20 May 2010.  
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).  
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

**Guidance** Workplace Exposure Limits EH40.  
Approved Classification and Labelling Guide (Sixth edition) L131.  
Safety Data Sheets for Substances and Preparations.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

**General information** The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

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

**Revision date** 24/10/2019

**Revision** 5b

**Supersedes date** 26/05/2017

**SDS number** 23062

## NITOMORTAR PE WINTER GRADE RESIN

### Hazard statements in full

H226 Flammable liquid and vapour.  
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.  
H332 Harmful if inhaled.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H335 May cause respiratory irritation.  
H341 Suspected of causing genetic defects.  
H351 Suspected of causing cancer.  
H361d Suspected of damaging the unborn child.  
H372 Causes damage to organs (Hearing organs) through prolonged or repeated exposure.  
H372 Causes damage to organs through prolonged or repeated exposure.  
H400 Very toxic to aquatic life.  
H412 Harmful to aquatic life with long lasting effects.  
EUH208 Contains PHTHALIC ANHYDRIDE. May produce an allergic reaction.

The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.