



## SAFETY DATA SHEET NITOSEAL MBN2

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

#### 1.1. Product identifier

Product name NITOSEAL MBN2

Product number 2076000 UK9

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

Identified uses Joint sealant

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

Supplier FOSROC Limited  
Drayton Manor Business Park  
Coleshill Road  
Tamworth  
Staffordshire  
B78 3XN  
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 (08.30 to 17.00hrs Mon - Thu; 0.8.30 to 16.00hrs Fri)

### SECTION 2: Hazards identification

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

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

Physical hazards Not Classified

Health hazards Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319

Environmental hazards Aquatic Chronic 2 - H411

#### 2.2. Label elements

##### Pictogram



Signal word Warning

Hazard statements  
H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H411 Toxic to aquatic life with long lasting effects.

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**Precautionary statements**

P264 Wash contaminated skin thoroughly after handling.  
 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.  
 P332+P313 If skin irritation occurs: Get medical advice/ attention.  
 P501 Dispose of contents/ container in accordance with national regulations.

**Contains** ASPHALT

**Supplementary precautionary statements**

P270 Do not eat, drink or smoke when using this product.  
 P273 Avoid release to the environment.  
 P301+P312 IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell.  
 P321 Specific treatment (see medical advice on this label).  
 P330 Rinse mouth.  
 P337+P313 If eye irritation persists: Get medical advice/ attention.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P391 Collect spillage.

### 2.3. Other hazards

Products normally used at elevated temperature when contact with skin will cause severe burns. Fumes may be released at elevated temperatures which are potentially carcinogenic.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

ASPHALT		60-100%
CAS number: 8052-42-4	EC number: 232-490-9	
Classification	Classification (67/548/EEC or 1999/45/EC)	
Acute Tox. 4 - H302	-	
Skin Irrit. 2 - H315		
Eye Irrit. 2 - H319		
Aquatic Chronic 2 - H411		

HYDROGEN SULPHIDE		<1%
CAS number: 7783-06-4	EC number: 231-977-3	
M factor (Acute) = 10		
Classification		
Flam. Gas 1 - H220		
Acute Tox. 2 - H330		
Aquatic Acute 1 - H400		

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

**Composition comments** Bitumen, polymer, aggregate fillers and additives none of which are present in concentration that might be considered hazardous.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**Inhalation** Remove affected person from source of contamination.

**Ingestion** Ensure that the airway is not obstructed and obtain medical advice.

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**Skin contact** If molten material comes into contact with skin, immerse immediately in cold running water for 10 minutes. Do NOT attempt to remove material from skin. Obtain medical attention.

**Eye contact** Continue to rinse for at least 15 minutes and get medical attention.

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

**General information** The product is considered to be a low hazard under normal conditions of use.

### **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 fires using foam, dry powder, carbon dioxide, sand or earth.

**Unsuitable extinguishing media** Water spray.

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

**Hazardous combustion products** Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours.

### **5.3. Advice for firefighters**

**Protective actions during firefighting** Avoid breathing fire gases or vapours. Use special protective clothing.

## **SECTION 6: Accidental release measures**

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

**Personal precautions** At elevated temperatures the following applies: Shut off leak if without risk. Contain leaking liquid with sand, earth or other suitable material. Allow material to set solid.

### **6.2. Environmental precautions**

**Environmental precautions** Toxic to aquatic life with long lasting effects.

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

**Methods for cleaning up** Collect spillage with a shovel and broom, or similar and reuse, if possible.

### **6.4. Reference to other sections**

**Reference to other sections** For personal protection, see Section 8. For waste disposal, see Section 13.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

**Usage precautions** Do NOT exceed maximum recommended temperature (180°C). Avoid contamination with water. Ensure adequate ventilation.

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

**Storage precautions** Store at temperatures below 50°C to avoid deformation and under cover to avoid water contamination.

### **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**

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### Occupational exposure limits

#### ASPHALT

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

Short-term exposure limit (15-minute): WEL 10 mg/m<sup>3</sup>

#### HYDROGEN SULPHIDE

Long-term exposure limit (8-hour TWA): WEL 5 ppm 7 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 10 ppm 14 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

#### Ingredient comments

EH40/2005 Workplace Exposure Standards for handling hot materials are as per table.

### 8.2. Exposure controls

#### Protective equipment



#### Eye/face protection

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

#### Hand protection

Wear protective gloves made of the following material: Neoprene. Polyvinyl chloride (PVC). Leather.

#### Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn. Combination filter, type A2/P2.

#### Thermal hazards

If there is a risk of contact with hot product, all protective equipment worn should be suitable for use with high temperatures.

## SECTION 9: Physical and Chemical Properties

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

Appearance	Paste.
Colour	Black.
Odour	None at ambient temperature
Odour threshold	Not determined.
pH	Not determined.
Melting point	Approx. 100°C
Initial boiling point and range	Not applicable.
Flash point	> 250°C
Evaporation rate	Not determined.
Evaporation factor	Not determined.
Flammability (solid, gas)	No.
Upper/lower flammability or explosive limits	Not determined.
Other flammability	Not applicable.
Vapour pressure	Not determined.
Vapour density	Not determined.

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Relative density	~ 1 @ 15°C
Bulk density	Not determined.
Solubility(ies)	Insoluble in water.
Partition coefficient	Not determined.
Auto-ignition temperature	> 400°C
Decomposition Temperature	210°C
Viscosity	Solid @ 15°C
Explosive properties	Not considered to be explosive.
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	Not available.
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

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

Stability	Stable at normal ambient temperatures and when used as recommended.
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### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Under normal conditions of storage and use, no hazardous reactions will occur.
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### 10.4. Conditions to avoid

Conditions to avoid	Overheating. Contamination with water.
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### 10.5. Incompatible materials

Materials to avoid	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
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### 10.6. Hazardous decomposition products

Hazardous decomposition products	Thermal decomposition products include Carbon Dioxide, Carbon Monoxide, particulate matter, Hydrogen Sulphide, Oxides of Sulphur, Nitrogen and rubber fumes.
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Toxicological effects	This product has low toxicity.
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#### Acute toxicity - oral

ATE oral (mg/kg)	781.25
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#### Skin corrosion/irritation

Skin corrosion/irritation	Irritating to skin.
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#### Serious eye damage/irritation

Serious eye damage/irritation	Causes eye irritation.
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### Acute and chronic health hazards

Contact with hot material and prolonged inhalation of fumes should be avoided. Small quantities of Hydrogen Sulphide can be liberated on heating which might exceed exposure limits. For this reason boiler and tank vapour spaces should be regarded as hazardous.

### SECTION 12: Ecological Information

**Ecotoxicity** Toxic to aquatic life with long lasting effects.

#### 12.1. Toxicity

**Toxicity** The product contains a substance which is toxic to aquatic organisms.

#### 12.2. Persistence and degradability

**Persistence and degradability** No data available.

#### 12.3. Bioaccumulative potential

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

**Partition coefficient** Not determined.

#### 12.4. Mobility in soil

**Mobility** The product is insoluble in water and will sediment in water systems.

#### 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** Dispose as a controlled waste in accordance with local by-laws and Regulations.

### SECTION 14: Transport information

#### 14.1. UN number

**UN No. (ADR/RID)** 3082

**UN No. (IMDG)** 3082

**UN No. (ICAO)** 3082

**UN No. (ADN)** 3082

#### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS ASPHALT )

**Proper shipping name (IMDG)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS ASPHALT )

**Proper shipping name (ICAO)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS ASPHALT )

**Proper shipping name (ADN)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS ASPHALT )

#### 14.3. Transport hazard class(es)

**ADR/RID class** 9

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ADR/RID classification code M6

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

ADN packing group III

ICAO 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 •3Z

Hazard Identification Number (ADR/RID) 90

Tunnel restriction code (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

**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).

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**Guidance** Workplace Exposure Limits EH40.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

#### SECTION 16: Other information

<b>General information</b>	Only trained personnel should use this material.
<b>Revision comments</b>	NOTE: Lines within the margin indicate significant changes from the previous revision.
<b>Revision date</b>	24/07/2017
<b>Revision</b>	4
<b>Supersedes date</b>	04/06/2015
<b>SDS number</b>	25485
<b>Hazard statements in full</b>	H220 Extremely flammable gas. H302 Harmful if swallowed. H315 Causes skin irritation. H319 Causes serious eye irritation. H330 Fatal if inhaled. H400 Very toxic to aquatic life. 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.