



SAFETY DATA SHEET NITOSEAL MB175

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

1.1. Product identifier

Product name	NITOSEAL MB175
Product number	2072004UK9, 2072008UK9, 2072014UK9
Synonyms; trade names	Plastiseal

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

Identified uses	Joint sealant
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1.3. Details of the supplier of the safety data sheet

Supplier	Fosroc International 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
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1.4. Emergency telephone number

Emergency telephone	+44 (0) 1827 265 279 (Monday-Sunday 24 hours a day)
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards	Not Classified
Health hazards	Not Classified
Environmental hazards	Not Classified

2.2. Label elements

Hazard statements	NC Not Classified
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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

NITOSEAL MB175

CALCIUM CARBONATE	10-30%
CAS number: 1317-65-3	EC number: 215-279-6
Classification	
Not Classified	
ASPHALT, OXIDIZED	10-30%
CAS number: 64742-93-4	EC number: 265-196-4
Classification	
Not Classified	
Hydrocarbons, C11-14, n-alkanes, isoalkanes, cyclic, <2% aromatics	5-10%
CAS number: —	EC number: 926-141-6
	REACH registration number: 01-2119456620-43-XXXX
Classification	
Asp. Tox. 1 - H304	
Distillates (petroleum), solvent-dewaxed heavy paraffinic	5-10%
CAS number: 64742-65-0	EC number: 265-169-7
	REACH registration number: 01-2119471299-27-XXXX
Classification	
Asp. Tox. 1 - H304	

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

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
Eye contact	Remove affected person from source of contamination. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.

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

Inhalation	Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.
Ingestion	May cause discomfort if swallowed.
Skin contact	May be slightly irritating to skin.
Eye contact	May cause temporary eye irritation.

NITOSEAL MB175

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 alcohol-resistant foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

Specific hazards This product does not sustain combustion.

Hazardous combustion products Carbon monoxide (CO). Carbon dioxide (CO₂). Nitrous gases (NO_x). Sulphurous gases (SO_x).

5.3. Advice for firefighters

Protective actions during firefighting Avoid breathing fire gases or vapours. Control run-off water by containing and keeping it out of sewers and watercourses.

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. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Avoid inhalation of spray mist and contact with skin and eyes. Provide adequate ventilation.

6.2. Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. The product contains a substance which is hazardous to aquatic organisms and which may cause long term adverse effects in the aquatic environment. See Section 12 for additional information on ecological hazards.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions For professional users only. Avoid spilling. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container.

Storage class Chemical storage.

7.3. Specific end use(s)

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

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

NITOSEAL MB175

Occupational exposure limits

CALCIUM CARBONATE

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust

Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust

ASPHALT, OXIDIZED

WEL

Long-term exposure limit (8-hour TWA): 5 mg/m³

Short-term exposure limit (15-minute): 10 mg/m³

Hydrocarbons, C11-14, n-alkanes, isoalkanes, cyclic, <2% aromatics

Long-term exposure limit (8-hour TWA): 1200 mg/m³

Distillates (petroleum), solvent-dewaxed heavy paraffinic

Long-term exposure limit (8-hour TWA): ACGIH 5 mg/m³ mist, inhalable fraction

WEL = Workplace Exposure Limit

ACGIH = American Conference of Governmental Industrial Hygienists.

Ingredient comments

WEL = Workplace Exposure Limits

Distillates (petroleum), hydrotreated heavy naphthenic (CAS: 64742-52-5)

DNEL

Workers - Inhalation; Long term local effects: 5.4 mg/m³

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.

Hand protection

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

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

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

Respiratory protection

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Paste.

Colour

Black.

NITOSEAL MB175

Odour	Characteristic.
Odour threshold	Not determined.
pH	Not applicable.
Melting point	Not determined.
Initial boiling point and range	Not determined.
Flash point	> 61°C
Evaporation rate	Not determined.
Evaporation factor	Not determined.
Flammability (solid, gas)	No.
Upper/lower flammability or explosive limits	The product is not flammable.
Other flammability	Not applicable.
Vapour pressure	~ 0.1 kPa @ °C
Vapour density	Not determined.
Relative density	1.50 @ 20°C
Bulk density	Not applicable.
Solubility(ies)	Insoluble in water.
Auto-ignition temperature	> 200°C
Decomposition Temperature	Not determined.
Viscosity	Not determined.
Explosive properties	Not considered to be explosive.
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.

9.2. Other information

Other information Not available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Will not polymerise.

10.4. Conditions to avoid

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

NITOSEAL MB175

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.

10.6. Hazardous decomposition products

Hazardous decomposition products Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂). Nitrous gases (NO_x). Sulphurous gases (SO_x).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Inhalation Unlikely to be hazardous by inhalation because of the low vapour pressure of the product at ambient temperature.

Ingestion Low order of acute toxicity. Nausea, vomiting.

Skin contact Unlikely to irritate on brief or occasional exposure.

Eye contact May cause temporary eye irritation.

Acute and chronic health hazards Bitumen presents no chronic health hazards at ambient temperature. However, when mixed with diluents it is believed that the product becomes bioavailable.

Toxicological information on ingredients.

Hydrocarbons, C11-14, n-alkanes, isoalkanes, cyclic, <2% aromatics

Aspiration hazard

Aspiration hazard Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.

Distillates (petroleum), hydrotreated heavy naphthenic

Acute toxicity - inhalation

Notes (inhalation LC₅₀) LD₅₀ >5.53 mg/l, Inhalation, Rat

SECTION 12: Ecological information

Ecotoxicity Low acute toxicity to aquatic organisms. It is unlikely that the substance will dissolve in water in amounts big enough to have a toxic effect on fish and daphnia.

12.1. Toxicity

Toxicity Not considered toxic to fish.

Ecological information on ingredients.

Hydrocarbons, C11-14, n-alkanes, isoalkanes, cyclic, <2% aromatics

Acute aquatic toxicity

Acute toxicity - fish LL₅₀, 96 hours: >1000 mg/l, Oncorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates LL₅₀, 48 hours: >1000 mg/l, Daphnia magna

Acute toxicity - aquatic plants NOELR, 72 hours: 1000 mg/l, Algae

Distillates (petroleum), hydrotreated heavy naphthenic

NITOSEAL MB175

Acute aquatic toxicity

Acute toxicity - fish LL₅₀, 96 hours: >100 mg/l, Fish

12.2. Persistence and degradability

Persistence and degradability The product contains inorganic substances which are not biodegradable.

Ecological information on ingredients.

Distillates (petroleum), hydrotreated heavy naphthenic

Biodegradation Inherently biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Ecological information on ingredients.

Distillates (petroleum), hydrotreated heavy naphthenic

Bioaccumulative potential Potentially bioaccumulating.

Partition coefficient log Pow: 2 - 6

12.4. Mobility in soil

Mobility The product is insoluble in water.

Ecological information on ingredients.

Distillates (petroleum), hydrotreated heavy naphthenic

Mobility High mobility in soil predicted.

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.

Ecological information on ingredients.

Distillates (petroleum), hydrotreated heavy naphthenic

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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

Disposal methods The generation of waste should be minimised or avoided wherever possible. This material and its container must be disposed of in a safe way. 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).

NITOSEAL MB175

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

EU legislation 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.

Guidance Workplace Exposure Limits EH40.
Respiratory protective equipment at work (HSG53).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information Only trained personnel should use this material. For professional users only.

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

Revision date 01/07/2020

Revision 4

Supersedes date 09/09/2019

SDS number 12036

NITOSEAL MB175

Hazard statements in full H304 May be fatal if swallowed and enters airways.

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.