

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 |
|-----------------|---------------|

1.3. Details of the supplier of the safety data sheet

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

1.4. Emergency telephone number

| | |
|---------------------|---|
| Emergency telephone | +44 (0) 1827 265 279 (08.30 to 17.00hrs Mon - Thu; 08.30 to 16.00hrs Fri) |
|---------------------|---|

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

| | |
|-----------------------|--------------------------|
| Physical hazards | Not Classified |
| Health hazards | Carc. 2 - H351 |
| Environmental hazards | Aquatic Chronic 3 - H412 |

Classification (67/548/EEC or 1999/45/EC) R52/53.

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

2.2. Label elements

Pictogram



Signal word Warning

NITOSEAL MB175

| | |
|---|--|
| Hazard statements | H412 Harmful to aquatic life with long lasting effects. H351 Suspected of causing cancer. |
| Precautionary statements | P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection. P308+P313 IF exposed or concerned: Get medical advice/attention. P501 Dispose of contents/container in accordance with national regulations. |
| Contains | WHITE SPIRIT |
| Supplementary precautionary statements | P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P405 Store locked up. |

2.3. Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

| | | |
|---------------------------------------|--|----------------|
| CALCIUM CARBONATE | | 60-100% |
| CAS number: 1317-65-3 | | |
| Classification | Classification (67/548/EEC or 1999/45/EC) | |
| Not Classified | - | |
| BITUMEN (PENETRATION GRADE) | | 10-30% |
| CAS number: 64742-93-4 | | |
| Classification | Classification (67/548/EEC or 1999/45/EC) | |
| Not Classified | - | |
| WHITE SPIRIT | | 5-10% |
| CAS number: 64742-82-1 | EC number: 265-185-4 | |
| Classification | | |
| Carc. 2 - H351 | | |
| STOT SE 3 - H336 | | |
| Asp. Tox. 1 - H304 | | |
| Aquatic Chronic 2 - H411 | | |
| PARAFFINIC DERIVED PROCESS OIL | | 5-10% |
| CAS number: 64742-65-0 | EC number: 265-169-7 | |
| Classification | Classification (67/548/EEC or 1999/45/EC) | |
| 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

NITOSEAL MB175

| | |
|---------------------|--|
| 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. Remove any contact lenses and open eyelids wide apart. 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 and get medical attention. |

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

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

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|-------------------------------------|---|
| Suitable extinguishing media | Extinguish with alcohol-resistant foam, carbon dioxide or dry powder. |
|-------------------------------------|---|

5.2. Special hazards arising from the substance or mixture

| | |
|--------------------------------------|---|
| Specific hazards | The product is non-combustible. Irritating gases or vapours. No unusual fire or explosion hazards noted. |
| Hazardous combustion products | Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO ₂). 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. |
|--------------------------------|--|

NITOSEAL MB175

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 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

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

BITUMEN (PENETRATION GRADE)

WEL

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

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

WHITE SPIRIT

Long-term exposure limit (8-hour TWA): 20 ppm 116 mg/m³

Short-term exposure limit (15-minute): 50 ppm 290 mg/m³

WEL = Workplace Exposure Limit

Ingredient comments WEL = Workplace Exposure Limits

NAPHTHA (PETROLEUM), HYDRODESULFURIZED HEAVY; LOW BOILING POINT HYD (CAS: 64742-82-1)

DNEL Workers - Inhalation; systemic effects: 1300 mg/m³/ 15 mins

MINERAL OIL (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.

NITOSEAL MB175

| | |
|---------------------------------------|---|
| 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). |
| Other skin and body protection | Wear appropriate clothing to prevent any possibility of skin contact. |
| Hygiene measures | Do not smoke in work area. Wash hands 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. |
| Odour | Typical |
| 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) | Not applicable. |
| Upper/lower flammability or explosive limits | Not determined. |
| Other flammability | Not determined. |
| Vapour pressure | ~ 0.1 kPa @ °C |
| Relative density | 1.50 @ 20°C |
| Bulk density | Not applicable. |
| Solubility(ies) | Insoluble in water. |
| Partition coefficient | Not applicable. |
| Auto-ignition temperature | > 200°C |
| Decomposition Temperature | Not determined. |
| Explosive properties | Not considered to be explosive. |
| Explosive under the influence of a flame | Not considered to be explosive. |

NITOSEAL MB175

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.

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. May cause nausea, vomiting and diarrhoea.

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.

SECTION 12: Ecological Information

Ecotoxicity The product contains a substance which is harmful to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

12.1. Toxicity

Toxicity Ecotoxic to fish/daphnia/algae

12.2. Persistence and degradability

Persistence and degradability The product is not readily biodegradable.

12.3. Bioaccumulative potential

NITOSEAL MB175

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not applicable.

12.4. Mobility in soil

Mobility The product is insoluble in water.

12.5. Results of PBT and vPvB assessment

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 Dangerous for the environment. May cause long-term adverse effects in the aquatic environment.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Do not puncture or incinerate, even when empty.

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.

ADR/RID subsidiary risk

IMDG subsidiary risk

ICAO subsidiary risk

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 MARPOL73/78 and the IBC Code

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

NITOSEAL MB175

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). The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716). |
| 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

| | |
|----------------------------------|--|
| Revision comments | NOTE: Lines within the margin indicate significant changes from the previous revision. |
| Revision date | 31/05/2015 |
| Revision | 3 |
| SDS number | 12036 |
| Risk phrases in full | R10 Flammable. R40 Limited evidence of a carcinogenic effect. R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R65 Harmful: may cause lung damage if swallowed. R66 Repeated exposure may cause skin dryness or cracking. R67 Vapours may cause drowsiness and dizziness. |
| Hazard statements in full | H304 May be fatal if swallowed and enters airways. H336 May cause drowsiness or dizziness. H351 Suspected of causing cancer. H411 Toxic to aquatic life with long lasting effects. H412 Harmful 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.