



SAFETY DATA SHEET NITOSEAL MS600

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name NITOSEAL MS600
Product No. M2010022UK9, M2010042UK9, M2010102UK9

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

Identified uses Sealant

1.3. Details of the supplier of the safety data sheet

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

1.4. Emergency telephone number

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

Manufacturer Fosroc Limited, Coleshill Road, Tamworth, Staffordshire, ENGLAND.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (1999/45/EEC) Not classified.

Human Health

The hazardous properties of the product are considered limited. May cause minor irritation on skin contact.

Environment

The environmental hazards associated with the product are considered to be limited

2.2. Label elements

Risk Phrases

NC Not classified.

Safety Phrases

P13 Safety data sheet available for professional user on request.

2.3. Other hazards

Not Classified as PBT/vPvB by current EU criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

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| | |
|--|---|
| CALCIUM CARBONATE | 30-60% |
| CAS-No.: | EC No.: |
| Classification (EC 1272/2008) Not classified. | Classification (67/548/EEC) Not classified. |
| CALCIUM CARBONATE (STEARATE COATED) | 10-30% |
| CAS-No.: 471-34-1 | EC No.: 207-439-9 |
| Classification (EC 1272/2008) Not classified. | Classification (67/548/EEC) Not classified. |
| SILYL TERMINATED POLYETHER | 10-30% |
| CAS-No.: 205265-06-1 | EC No.: |
| Classification (EC 1272/2008) Not classified. | Classification (67/548/EEC) Not classified. |
| DI-ISO-DECYL PHTHALATE | 10-30% |
| CAS-No.: 68515-49-1 | EC No.: 271-091-4 |
| Classification (EC 1272/2008) Not classified. | Classification (67/548/EEC) Not classified. |
| TITANIUM DIOXIDE | 1-5% |
| CAS-No.: 13463-67-7 | EC No.: 236-675-5 |
| | Registration Number: 01-2119489379-17-0000 |
| Classification (EC 1272/2008) Not classified. | Classification (67/548/EEC) Not classified. |
| ALKYLALKOXYSILANE | 1-5% |
| CAS-No.: 18395-30-7 | EC No.: 242-272-5 |
| Classification (EC 1272/2008) Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 | Classification (67/548/EEC) Xi;R38. R10. |
| AMINOPROPYLTRIMETHOXYSILANE | < 1% |
| CAS-No.: 13822-56-5 | EC No.: 237-511-5 |
| Classification (EC 1272/2008) Eye Irrit. 2 - H319 | Classification (67/548/EEC) Xi;R36. |

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| | |
|--|---|
| DIBUTYL TIN DI(ACEOACETONATE) < 1% | |
| CAS-No.: 22673-19-4 | EC No.: 245-152-0 |
| Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT Rep. 2 - H373 | Classification (67/548/EEC) Xn;R48/22. Xi;R36/38. |

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

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General Information

No recommendation given. General first aid, rest, warmth and fresh air.

Inhalation.

Move the exposed person to fresh air at once.

Ingestion

Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable seek hospital and bring these instructions.

Skin Contact

Remove affected person from source of contamination. Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.

Eye Contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.

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

General Information

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

Inhalation.

Irritation of nose, throat and airway.

Ingestion

May cause discomfort if swallowed.

Skin Contact

Prolonged skin contact may cause redness and irritation.

Eye Contact

Spray and vapour in the eyes may cause irritation and smarting.

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

No specific first aid measures noted.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing Media

Extinguish with alcohol-resistant 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

Hazardous Combustion Products

High temperatures generate: Carbon monoxide (CO). Carbon dioxide (CO₂).

Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

Specific Hazards

Irritant fumes.

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5.3. Advice for firefighters

Special Fire Fighting Procedures

No specific fire fighting procedure given. Use water to keep fire exposed containers cool and disperse vapours.

Protective Measures In Fire

Self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

For personal protection, see section 8.

6.2. Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Scrape up and place in a container fitted with a lid. The spilled product produces an extremely slippery surface.

6.4. Reference to other sections

For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Observe good chemical hygiene practices. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Protect from freezing and direct sunlight. Store away from:
Acids.

Storage Class

Chemical storage.

7.3. 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

| Name | STD | TWA - 8 Hrs | | STEL - 15 Min | | Notes |
|-------------------------------------|-----|-------------------------|------------------------|---------------|-----------|-------|
| AMINOPROPYLTRIMETHOXYSILANE | | | | | | |
| CALCIUM CARBONATE | | | 4.0 mg/m3 resp.dust | | | |
| CALCIUM CARBONATE (STEARATE COATED) | WEL | 10 mg/m3 Inhal. Dust | 4 mg/m3 Resp. Dust | | | |
| DIBUTYL TIN DI(ACEOACETONATE) | | | | | 0.1 mg/m3 | |
| DI-ISO-DECYL PHTHALATE | WEL | | 5 mg/m3 | | | |
| SILYL TERMINATED POLYETHER | | | 10 mg/m3 | | | |
| TITANIUM DIOXIDE | WEL | | 4 mg/m3 | | | |

WEL = Workplace Exposure Limit.

Ingredient Comments

WEL = Workplace Exposure Limits

8.2. Exposure controls

Protective Equipment

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Engineering Measures

Provide adequate ventilation.

Respiratory Equipment

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

Hand Protection

Gloves are recommended for prolonged use.

Eye Protection

Wear approved chemical safety goggles where eye exposure is reasonably probable.

Other Protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene Measures

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

Skin Protection

Wear apron or protective clothing in case of contact.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

| | |
|--------------------------------|---------------------|
| <u>Appearance</u> | Paste |
| <u>Colour</u> | Grey Black or White |
| <u>Odour</u> | Slight / faint. |
| <u>Solubility</u> | Insoluble. |
| <u>Relative Density</u> | 1.42 |

9.2. Other information

Not available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stable.

10.3. Possibility of hazardous reactions

Not relevant.

Hazardous Polymerisation

Not relevant.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Materials To Avoid

Strong oxidising substances. Strong acids.

10.6. Hazardous decomposition products

Thermal decomposition:- Oxides of carbon. Irritant fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

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General Information

This product has low toxicity. Only large volumes may have adverse impact on human health.

Inhalation

Low volatility makes inhalation unlikely at ambient temperature.

Ingestion.

May cause irritation of mouth, throat and digestive tract. Ingestion of significant amounts may result in severe systemic effects.

Skin Contact

Unlikely to irritate on brief or occasional exposure.

Eye Contact

May cause temporary eye irritation.

Health Warnings

No specific health warnings noted.

Target Organs

Not relevant.

Medical Symptoms

No specific symptoms noted, but this chemical may still have adverse health impact, either in general or on certain individuals.

Specific Effects

Repeated and prolonged skin contact may lead to skin disorders.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.1. Toxicity

Acute Fish Toxicity

Expected to be ecotoxic to fish/daphnia/algae.

12.2. Persistence and degradability

Degradability:

Not readily biodegradable.

Phototransformation

Not relevant.

Biodegradation

Not available.

12.3. Bioaccumulative potential

Bioaccumulative Potential:

Has the potential to bioaccumulate.

12.4. Mobility in soil

Mobility:

Solid. Insoluble in water.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB Substances.

12.6. Other adverse effects

Not applicable.

SECTION 13: DISPOSAL CONSIDERATIONS

General Information

Dispose of through an authorised waste contractor to a licensed site. Do not empty into drains, sewers or water courses.

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

Waste Class

08-04-10

SECTION 14: TRANSPORT INFORMATION

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General

The product is not covered by international regulation 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)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

14.6. Special precautions for user

No information required.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not relevant.

SECTION 15: REGULATORY INFORMATION

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

Uk Regulatory References

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments. Chemicals (Hazard Information & Packaging) Regulations.

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Control of Substances Hazardous to Health.

Environmental Protection (Duty of Care) Regs. 1991 (SI 2839).

Approved Code Of Practice

Waste Management. The Duty of Care.

EU Legislation

Dangerous Substance Directive 67/548/EEC.

Dangerous Preparations Directive, 88/379/EEC

Safety Data Sheets Directive, 91/155/EEC.

National Regulations

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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

Authorisations (Title VII Regulation 1907/2006)

No specific authorisations are noted for this product.

Restrictions (Title VIII Regulation 1907/2006)

No specific restrictions of use are noted for this product.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

General Information

The data and advice given apply when the product is used for the stated application or applications. The product is not sold as suitable for any other application. Use of the product for applications other than as stated in this sheet may give rise to risks not mentioned in this sheet. The product should not be used other than for a stated application or applications without seeking advice from Fosroc Ltd.

If this product has been purchased for supply to a third party for use at work, it is the purchaser's duty to take all necessary steps to secure that any person handling or using the product is provided with the information in this sheet.

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It is the responsibility and duty of the employer to inform employees and others who may be affected of any hazards described in this sheet and of any precautions which should be taken.

This sheet does not constitute or substitute for the users own assessment of workplace risk, as required by other health and safety legislation.

Further copies of this Safety Data Sheet may be obtained from Fosroc Limited.

Revision Comments

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

Revision Date 9 April 2013

Revision 2

Risk Phrases In Full

| | |
|-----|---------------------|
| R10 | Flammable. |
| R36 | Irritating to eyes. |
| R38 | Irritating to skin. |
| NC | Not classified. |

Hazard Statements In Full

| | |
|------|---|
| H319 | Causes serious eye irritation. |
| H315 | Causes skin irritation. |
| H226 | Flammable liquid and vapour. |
| H373 | May cause damage to organs <<Organs>> through prolonged or repeated exposure. |