

## SAFETY DATA SHEET

### NITOSEAL MS60

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

##### 1.1. Product identifier

**Product Name** NITOSEAL MS60  
**Product No.** M2010540

##### 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)

#### SECTION 2: HAZARDS IDENTIFICATION

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

**Classification (1999/45/EEC)** R43.

##### 2.2. Label elements

**Contains:** N,N'-ETHANE-1,2-DIYLBIS(HEXANAMIDE)

##### Labelling



Irritant

##### Risk Phrases

R43 May cause sensitisation by skin contact.

##### Safety Phrases

S24 Avoid contact with skin.  
 S37 Wear suitable gloves.  
 S60 This material and its container must be disposed of as hazardous waste.

##### 2.3. Other hazards

#### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

##### 3.2. Mixtures

**NITOSEAL MS60**

<b>CALCIUM CARBONATE</b>		<b>60-100%</b>
<b>CAS-No.:</b>	<b>EC No.:</b>	
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.	
<b>DI-ISO-DECYL PHTHALATE</b>		<b>10-30%</b>
<b>CAS-No.: 68515-49-1</b>	<b>EC No.: 271-091-4</b>	
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.	
<b>SILYL TERMINATED POLYETHER</b>		<b>10-30%</b>
<b>CAS-No.: 205265-06-1</b>	<b>EC No.:</b>	
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.	
<b>N,N'-ETHANE-1,2-DIYLBIS(HEXANAMIDE)</b>		<b>1-5%</b>
<b>CAS-No.:</b>	<b>EC No.: 432-430-3</b>	
Classification (EC 1272/2008) Skin Sens. 1 - H317 Aquatic Chronic 4 - H413	Classification (67/548/EEC) R43,R53.	
<b>TITANIUM DIOXIDE</b>		<b>1-5%</b>
<b>CAS-No.: 13463-67-7</b>	<b>EC No.: 236-675-5</b>	
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.	
<b>AMINOPROPYLTRIMETHOXYSILANE</b>		<b>&lt; 1%</b>
<b>CAS-No.: 13822-56-5</b>	<b>EC No.: 237-511-5</b>	
Classification (EC 1272/2008) Eye Irrit. 2 - H319	Classification (67/548/EEC) Xi;R36.	
<b>DIBUTYL TIN DI(ACEOACETONATE)</b>		<b>&lt; 1%</b>
<b>CAS-No.: 22673-19-4</b>	<b>EC No.: 245-152-0</b>	
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

# NITOSEAL MS60

## SECTION 4: FIRST AID MEASURES

### **4.1. Description of first aid measures**

#### **General Information**

Remove affected person from source of contamination.

#### **Inhalation.**

Remove victim immediately from source of exposure.

#### **Ingestion**

Immediately rinse mouth and drink plenty of water or milk. Keep person under observation. Do not induce vomiting. If vomiting occurs, keep head low. Transport immediately to hospital and bring along these instructions.

#### **Skin Contact**

Wash skin thoroughly with soap and water.

#### **Eye Contact**

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.

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

#### **General Information**

May cause skin disorders if contact is repeated or prolonged.

#### **Inhalation.**

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

#### **Ingestion**

May cause irritation of mouth, throat and digestive tract.

#### **Skin Contact**

Unlikely to irritate on brief or occasional exposure.

#### **Eye Contact**

May cause temporary eye irritation.

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

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

## 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**

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

#### **Unusual Fire & Explosion Hazards**

No unusual fire or explosion hazards noted.

#### **Specific Hazards**

When heated and in case of fire, irritating vapours/gases may be formed.

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

#### **Special Fire Fighting Procedures**

No specific fire fighting procedure given.

#### **Protective Measures In Fire**

Use air-supplied respirator during fire fighting.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Use protective gloves, goggles and suitable protective clothing.

### **6.2. Environmental precautions**

# NITOSEAL MS60

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

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

Collect with absorbent, non-combustible material into suitable containers.

## 6.4. Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Provide good ventilation. Avoid contact with skin and eyes.

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

Store in closed original container in a dry place.

#### 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		
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.

### 8.2. Exposure controls

#### Protective Equipment



#### Process Conditions

Provide eyewash station.

#### Engineering Measures

Provide adequate ventilation.

#### Respiratory Equipment

In case of inadequate ventilation use suitable respirator.

#### Hand Protection

Use suitable protective gloves if risk of skin contact.

#### Eye Protection

Goggles/face shield are recommended.

#### Hygiene Measures

Wash at the end of each work shift and before eating, smoking and using the toilet. Wash hands after handling.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

# NITOSEAL MS60

<b>Appearance</b>	Paste
<b>Colour</b>	Misc. colours
<b>Odour</b>	Slight odour
<b>Solubility</b>	Insoluble in water

**Initial Boiling Point and Boiling Range:**

Not applicable.

**Relative Density** 1.6

**Flash Point (°C)**

Not relevant.

**9.2. Other information**

**Volatile Organic Compound (VOC)** 30 g/litre

## SECTION 10: STABILITY AND REACTIVITY

**10.1. Reactivity**

No specific reactivity hazards associated with this product.

**10.2. Chemical stability**

Stable under normal temperature conditions and recommended use.

**10.3. Possibility of hazardous reactions**

None under normal conditions.

**Hazardous Polymerisation**

Will not polymerise.

**10.4. Conditions to avoid**

None known.

**10.5. Incompatible materials**

**Materials To Avoid**

Strong oxidising substances.

**10.6. Hazardous decomposition products**

During fire, toxic gases (CO, CO<sub>2</sub>) are formed.

## SECTION 11: TOXICOLOGICAL INFORMATION

**11.1. Information on toxicological effects**

**Skin Contact**

May cause sensitisation by skin contact.

## 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:**

The product is not readily biodegradable.

**12.3. Bioaccumulative potential**

**Bioaccumulative Potential:**

The product contains potentially bioaccumulating substances.

**12.4. Mobility in soil**

## NITOSEAL MS60

### Mobility:

The product is insoluble in water. Not considered mobile.

### 12.5. Results of PBT and vPvB assessment

Assessment not carried out but this product is believed not to be a PBT nor a vPvB.

### 12.6. Other adverse effects

None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

### General Information

When handling waste, consideration should be made to the safety precautions applying to handling of the product. Only experts should be permitted to carry out disposal of this material.

### 13.1. Waste treatment methods

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

## SECTION 14: TRANSPORT INFORMATION

### 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.

### Transport Labels

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 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

#### Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).  
Control of Substances Hazardous to Health.

#### Approved Code Of Practice

Safety Data Sheets for Substances and Preparations.

#### Guidance Notes

Workplace Exposure Limits EH40.

#### EU Legislation

Dangerous Substance Directive 67/548/EEC.  
Dangerous Preparations Directive 1999/45/EC.

### 15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

## NITOSEAL MS60

### SECTION 16: OTHER INFORMATION

**Revision** 2  
**Date** 12 September 2012

**Risk Phrases In Full**

R36 Irritating to eyes.  
R53 May cause long-term adverse effects in the aquatic environment.  
R43 May cause sensitisation by skin contact.  
NC Not classified.

**Hazard Statements In Full**

H319 Causes serious eye irritation.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H373 May cause damage to organs <<Organs>> through prolonged or repeated exposure.  
H413 May cause long lasting harmful effects to aquatic life.

#### Disclaimer

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.