



*J. McRatcliffe*



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## SAFETY DATA SHEET

### BLACKFRIAR® PROFESSIONAL Concrete Repair Mortar - Base

#### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME BLACKFRIAR® PROFESSIONAL Concrete Repair Mortar - Base

SUPPLIER Blackfriar Paints Ltd  
Portobello Industrial Estate  
Birtley  
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DH3 2RE  
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blackfriar@tor-coatings.com

PRODUCT NO. BF2110001

APPLICATION Base component for two-part concrete repair mortar.

CONTACT PERSON ian.mccormack@tor-coatings.com;

#### 2 HAZARDS IDENTIFICATION

Harmful by inhalation. Irritating to eyes and skin. May cause sensitisation by skin contact. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION (1999/45) Xn;R20. Xi;R36/38. R43. R52/53.

##### ENVIRONMENT

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.

##### PHYSICAL AND CHEMICAL HAZARDS

The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures.

##### HUMAN HEALTH

Vapours/aerosol spray may irritate the respiratory system. Acts as a defatting agent on skin. May cause cracking of skin, and eczema. In high concentrations, vapours and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea. Risk of sensitisation or allergic reactions among sensitive individuals.

#### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
Silicon Dioxide	238-878-4	14808-60-7	60-100%	T;R48. Xn;R20.
EPOXY RESIN (Number average MW <= 700 )	500-033-5	25068-38-6	5-10%	R43 Xi;R36/38 N;R51/53
D.E.N. 425 EPOXY NOVOLAC RESIN		28064-14-4	1-5%	Xi;R36/38. N;R51/53. R43.
BENZYL ALCOHOL	202-859-9	100-51-6	1-5%	Xn;R20/22

The Full Text for all R-Phrases are Displayed in Section 16

#### 4 FIRST-AID MEASURES

##### GENERAL INFORMATION

General first aid, rest, warmth and fresh air. Do not give victim anything to drink if they are unconscious. Get medical attention if any discomfort continues.

##### INHALATION

Place unconscious person on the side in the recovery position and ensure breathing. If respiratory problems, artificial respiration/oxygen. Get medical attention if any discomfort continues.

##### 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

Use appropriate hand lotion to prevent defatting and cracking of skin. Immediately remove contaminated clothing. Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water.

**BLACKFRIAR® PROFESSIONAL Concrete Repair Mortar - Base****EYE CONTACT**

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention promptly if symptoms occur after washing.

**5 FIRE-FIGHTING MEASURES****EXTINGUISHING MEDIA**

Fire can be extinguished using: Water spray, fog or mist. Foam, carbon dioxide or dry powder. Dry chemicals, sand, dolomite etc. Do not use water jet as an extinguisher, as this will spread the fire.

**SPECIAL FIRE FIGHTING PROCEDURES**

Use pressurised air mask if product is involved in a fire. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

**UNUSUAL FIRE & EXPLOSION HAZARDS**

Fire causes formation of toxic gases.

**PROTECTIVE MEASURES IN FIRE**

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

**6 ACCIDENTAL RELEASE MEASURES****PERSONAL PRECAUTIONS**

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

**ENVIRONMENTAL PRECAUTIONS**

Do not discharge into drains, water courses or onto the ground. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

**SPILL CLEAN UP METHODS**

Keep combustibles away from spilled material. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage.

**7 HANDLING AND STORAGE****USAGE PRECAUTIONS**

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Vapours are heavier than air and may spread near ground to sources of ignition.

**STORAGE PRECAUTIONS**

Flammable/combustible - Keep away from oxidisers, heat and flames. Store in tightly closed original container in a dry and cool place. Keep in original container. Avoid contact with oxidising agents.

**STORAGE CLASS**

Flammable liquid storage.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Name	Std	TWA - 8 hrs	STEL - 15 min	Notes
Silicon Dioxide		0.1 mg/m <sup>3</sup>		

**INGREDIENT COMMENTS**

WEL = Workplace Exposure Limits

**PROTECTIVE EQUIPMENT****PROCESS CONDITIONS**

Provide eyewash station.

**ENGINEERING MEASURES**

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. All handling to take place in well-ventilated area.

**RESPIRATORY EQUIPMENT**

Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours. At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used. Wear mask supplied with: Gas cartridge suitable for organic substances.

**HAND PROTECTION**

For prolonged or repeated skin contact use suitable protective gloves. Use protective gloves made of: Neoprene. Nitrile. Rubber (natural, latex).

**BLACKFRIAR® PROFESSIONAL Concrete Repair Mortar - Base****EYE PROTECTION**

Wear splash-proof eye goggles to prevent any possibility of eye contact.

**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. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Granular Paste		
COLOUR	Grey when activated with BF2110015.		
ODOUR	Mild		
SOLUBILITY	Immiscible with water		
RELATIVE DENSITY	2.23 Approx. @20°C.	VAPOUR DENSITY (air=1)	Heavier than air
VOLATILE ORGANIC COMPOUND (VOC)	EXEMPT		

**10 STABILITY AND REACTIVITY****STABILITY**

No particular stability concerns.

**CONDITIONS TO AVOID**

Avoid heat, flames and other sources of ignition. Avoid contact with strong oxidisers.

**HAZARDOUS DECOMPOSITION PRODUCTS**

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

**11 TOXICOLOGICAL INFORMATION****GENERAL INFORMATION**

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

**INHALATION**

In high concentrations, vapours may irritate throat and respiratory system and cause coughing. In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea.

**INGESTION**

Gastrointestinal symptoms, including upset stomach. Contains components which have cumulative effects.

**SKIN CONTACT**

Prolonged or repeated exposure may cause severe irritation. May cause sensitisation by skin contact.

**EYE CONTACT**

Irritation of eyes and mucous membranes.

Name	BENZYL ALCOHOL
Toxic Dose 1 - LD 50	1230 mg/kg (oral rat)
Toxic Conc. - LC 50	4.178 mg/l/4h (inh-rat)
Name	EPOXY RESIN (Number average MW <= 700 )
Toxic Dose 1 - LD 50	10000 mg/kg (oral rat)
Name	Di-iso Butyl Phthalate
Toxic Dose 1 - LD 50	15000 mg/kg (oral rat)
Name	D.E.N. 425 EPOXY NOVOLAC RESIN
Toxic Dose 1 - LD 50	>4000 mg/kg (oral rat)

**12 ECOLOGICAL INFORMATION****ECOTOXICITY**

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**BLACKFRIAR® PROFESSIONAL Concrete Repair Mortar - Base**

Name	BENZYL ALCOHOL
LC 50, 96 Hrs, FISH mg/l	10-460
IC 50, 72 Hrs, ALGAE, mg/l	700
Name	EPOXY RESIN (Number average MW <= 700 )

**Ecotoxicity**

The product contains substances which are toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

LC 50, 96 Hrs, FISH mg/l	3.6
EC 50, 48 Hrs, DAPHNIA, mg/l	2.8
IC 50, 72 Hrs, ALGAE, mg/l	220

**Degradability**

The product is not readily biodegradable.

**Acute Fish Toxicity**

Toxic to fish and aquatic organisms.

Name	Di-iso Butyl Phthalate
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**Ecotoxicity**

The product contains a substance which is harmful to aquatic organisms. The product must not be allowed to enter drains or water courses.

Name	D.E.N. 425 EPOXY NOVOLAC RESIN
LC 50, 96 Hrs, FISH mg/l	5.7
EC 50, 48 Hrs, DAPHNIA, mg/l	3.5

**Mobility**

The product is insoluble in water.

**Degradability**

The product is not readily biodegradable.

**13 DISPOSAL CONSIDERATIONS****GENERAL INFORMATION**

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

**DISPOSAL METHODS**

Dispose of waste and residues in accordance with local authority requirements. Make sure containers are empty before discarding (explosion risk). Absorb in vermiculite or dry sand and dispose of at a licenced hazardous waste collection point.

**14 TRANSPORT INFORMATION****GENERAL**

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

No transport warning sign required.

**MARINE POLLUTANT**

No.

**15 REGULATORY INFORMATION****LABELLING**

Harmful

**CONTAINS**

Silicon Dioxide  
EPOXY RESIN (Number average MW <= 700 )  
D.E.N. 425 EPOXY NOVOLAC RESIN

**RISK PHRASES**

R20	Harmful by inhalation.
R36/38	Irritating to eyes and skin.
R43	May cause sensitisation by skin contact.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**SAFETY PHRASES**

S24/25	Avoid contact with skin and eyes.
S37	Wear suitable gloves.
S46	If swallowed, seek medical advice immediately and show this container or label.
S56	Dispose of this material and its container to hazardous or special waste collection point.
P5	Contains epoxy constituents. See information supplied by the manufacturer.

## BLACKFRIAR® PROFESSIONAL Concrete Repair Mortar - Base

S2

Keep out of the reach of children.

### EU DIRECTIVES

System of specific information relating to Dangerous Preparations. 2001/58/EC. Dangerous Preparations Directive 1999/45/EC.

### APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

### NATIONAL REGULATIONS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689. Workplace Exposure Limits 2005 (EH40)

## 16 OTHER INFORMATION

### INFORMATION SOURCES

Croner's Emergency Spillage Guide Croner's Emergency First Aid Guide Croner's Substances Hazardous to Health

### REVISION COMMENTS

Change of name.

### ISSUED BY

D Charles

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### SAFETY DATA SHEET STATUS

Approved.

DATE 24/02/2011

### RISK PHRASES IN FULL

R48	Danger of serious damage to health by prolonged exposure.
R20/22	Harmful by inhalation and if swallowed.
R20	Harmful by inhalation.
R36/38	Irritating to eyes and skin.
R43	May cause sensitisation by skin contact.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### DISCLAIMER

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.