



J McRatcliffe



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SAFETY DATA SHEET

BLACKFRIAR® PROFESSIONAL Concrete Repair Mortar - Activator

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

PRODUCT NAME BLACKFRIAR® PROFESSIONAL Concrete Repair Mortar - Activator

SUPPLIER Blackfriar Paints Ltd
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PRODUCT NO. BF2110015

APPLICATION Activator component for two-part concrete repair mortar.

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

2 HAZARDS IDENTIFICATION

Harmful by inhalation. 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. 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

In high concentrations, vapours and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea. Risk of serious damage to eyes. Vapours/aerosol spray may irritate the respiratory system. Repeated exposure may cause skin dryness or cracking. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

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.
TOFA, REACTION PRODUCTS WITH TEPA	273-201-6	68953-36-6	5-10%	R43.
Nonylphenol	246-672-0	25154-52-3	1-5%	Xn;R22. Repr. Cat. 3;R62,R63. C;R34. N;R50/53.
2-PIPERAZIN-1-YLETHYLAMINE	205-411-0	140-31-8	1-5%	C;R34 Xn;R21/22 R43 R52/53
TETRAETHYLENEMPENTAMINE	203-986-2	112-57-2	< 1%	C;R34 Xn;R21/22 R43 N;R51/53

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 - Activator**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

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 ³		

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 - Activator**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	Coloured paste		
COLOUR	Dark Grey		
ODOUR	Amine.		
SOLUBILITY	Immiscible with water		
BOILING POINT (°C)	200°C. @760mm Hg	RELATIVE DENSITY	2.15 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. Gas or vapour is harmful on prolonged exposure or in high concentrations.

INGESTION

Gastrointestinal symptoms, including upset stomach. Harmful: may cause lung damage if swallowed. Pneumonia may be the result if vomited material containing solvents reaches the lungs.

SKIN CONTACT

Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Irritating to skin. May be absorbed through the skin.

EYE CONTACT

Irritation of eyes and mucous membranes.

Name	TETRAETHYLENEPENTAMINE
Toxic Dose 1 - LD 50	3990 mg/kg (oral rat)
Name	2-PIPERAZIN-1-YLETHYLAMINE
Toxic Dose 1 - LD 50	2140 mg/kg (oral rat)
Name	Nonylphenol
Toxic Dose 1 - LD 50	580 mg/kg (oral rat)
Name	TOFA, REACTION PRODUCTS WITH TEPA
Toxic Dose 1 - LD 50	>4750 mg/kg (oral rat)

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

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

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 licensed hazardous waste collection point.

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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
TOFA, REACTION PRODUCTS WITH TEPA
2-PIPERAZIN-1-YLETHYLAMINE

RISK PHRASES

R20 Harmful by inhalation.
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

S2 Keep out of the reach of children.
S24 Avoid contact with skin.
S37 Wear suitable gloves.
S46 If swallowed, seek medical advice immediately and show this container or label.
S51 Use only in well-ventilated areas.
S56 Dispose of this material and its container to hazardous or special waste collection point.

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

REVISION DATE 22/02/2011

REV. NO./REPL. SDS GENERATED 2

SDS NO. 17231

SAFETY DATA SHEET STATUS

Approved.

DATE 24/02/2011

BLACKFRIAR® PROFESSIONAL Concrete Repair Mortar - Activator

RISK PHRASES IN FULL

R34	Causes burns.
R48	Danger of serious damage to health by prolonged exposure.
R20	Harmful by inhalation.
R22	Harmful if swallowed.
R21/22	Harmful in contact with skin and if swallowed.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R43	May cause sensitisation by skin contact.
R63	Possible risk of harm to the unborn child.
R62	Possible risk of impaired fertility.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R50/53	Very 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.