



J. McRatcliffe



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SAFETY DATA SHEET

BLACKFRIAR® PROFESSIONAL Water-Based Floor Sealer

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

PRODUCT NAME	BLACKFRIAR® PROFESSIONAL Water-Based Floor Sealer
SUPPLIER	Blackfriar Paints Ltd Portobello Industrial Estate Birtley County Durham DH3 2RE +44(0)191 4106611 +44(0)191 4113147 blackfriar@tor-coatings.com
PRODUCT NO.	BF2070008
APPLICATION	Intended for use as a brush-/roller-applied, water-borne, sealer for various masonry surfaces.
CONTACT PERSON	ian.mccormack@tor-coatings.com;

2 HAZARDS IDENTIFICATION

Not regarded as a health or environmental hazard under current legislation.

ENVIRONMENT

The product is not expected to be hazardous to the environment.

HUMAN HEALTH

Prolonged contact may cause redness, irritation and dry skin. Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
2-AMINOETHANOL	205-483-3	141-43-5	< 1%	C;R34 Xn;R20/21/22

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.

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

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

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.

BLACKFRIAR® PROFESSIONAL Water-Based Floor Sealer**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

Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage.

7 HANDLING AND STORAGE**USAGE PRECAUTIONS**

Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry and cool place. Keep in original container. Avoid contact with oxidising agents.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
2-AMINOETHANOL		1 ppm(Sk)	2.5 mg/m3(Sk)	3 ppm(Sk)	7.6 mg/m3(Sk)	

mg/m3(Sk)

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.

HAND PROTECTION

Protective gloves should be used if there is a risk of direct contact or splash.

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	Liquid		
COLOUR	Milky.		
ODOUR	Mild		
SOLUBILITY	Miscible with water		
RELATIVE DENSITY	1.02 Approx. @20°C.	VAPOUR DENSITY (air=1)	Heavier than air
VOLATILE ORGANIC COMPOUND (VOC)	Cat A/i : 110 g/l max. (EU Limit 140 g/l)		

BLACKFRIAR® PROFESSIONAL Water-Based Floor Sealer**10 STABILITY AND REACTIVITY**

STABILITY

No particular stability concerns.

HAZARDOUS DECOMPOSITION PRODUCTS

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

11 TOXICOLOGICAL INFORMATION

GENERAL INFORMATION

Not regarded as a health hazard under current legislation.

Name	2-AMINOETHANOL
Toxic Dose 1 - LD 50	1720 mg/kg (oral rat)
Name	2,2',2''-(HEXAHYDRO-1,3,5-TRIAZINE-1,3,5-TRIYL)TRIETHANOL
Toxic Dose 1 - LD 50	535-580 mg/kg (oral rat)
Name	2,2,4-Trimethyl-1,3-Pentanediol-Monoisobutyrate
Toxic Dose 1 - LD 50	6517 mg/kg (oral rat)
Toxic Dose 2 - LD 50	1600 - 3200 mg/kg (oral-mouse)
Name	MonoPropylene Glycol
Toxic Dose 1 - LD 50	>2000 mg/kg (oral rat)

12 ECOLOGICAL INFORMATION

ECOTOXICITY

The product is not expected to be hazardous to the environment.

Name	2-AMINOETHANOL
LC 50, 96 Hrs, FISH mg/l	170
Name	2,2',2''-(HEXAHYDRO-1,3,5-TRIAZINE-1,3,5-TRIYL)TRIETHANOL
Ecotoxicity	
Dangerous for the environment if discharged into watercourses.	
LC 50, 96 Hrs, FISH mg/l	27-67.3
Name	2,2,4-Trimethyl-1,3-Pentanediol-Monoisobutyrate
Partition coefficient ($\frac{\text{water}}{\text{water/octanol}}$)	P: 2951; Log P: 3.47
LC 50, 96 Hrs, FISH mg/l	19 - Oncorhynchus mykiss
EC 50, 48 Hrs, DAPHNIA, mg/l	19
IC 50, 72 Hrs, ALGAE, mg/l	15
Mobility	
Mobile.	
Degradability	
The product is biodegradable.	
Name	MonoPropylene Glycol
Partition coefficient ($\frac{\text{water}}{\text{water/octanol}}$)	0.92 (water/Octanol)
LC 50, 96 Hrs, FISH mg/l	>100
EC 50, 48 Hrs, DAPHNIA, mg/l	>100

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. 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.

15 REGULATORY INFORMATION

BLACKFRIAR® PROFESSIONAL Water-Based Floor Sealer

RISK PHRASES

NC Not classified.

SAFETY PHRASES

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S35 This material and its container must be disposed of in a safe way.
S37 Wear suitable gloves.
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

VOC Information added to section 9 Incorrect product description on earlier versions

ISSUED BY

D Charles

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SAFETY DATA SHEET STATUS

Approved.

DATE 01/03/2011

RISK PHRASES IN FULL

R34 Causes burns.
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R37 Irritating to respiratory system.

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.