

**PRODUCT SAFETY DATA SHEET
ACCORDING TO 93/112/EC
RM20 BS6920 LW MORTAR**

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY		BASE component 1 of 3
PRODUCT NAME AND CODE: RM20 BS6920 LW MORTAR CODE 3377		EMERGENCY NUMBER (OFFICE HOURS) 01639 730481
COMPANY-UNDERTAKING IDENTIFICATION - ROTAFIX HOUSE, ABERCRAF, SWANSEA, SA9 1UR. TEL: 01639 730481 FAX: 01639 730858		
2. COMPOSITION/INFORMATION ON INGREDIENTS		
NATURE & COMPOSITION: Liquid DGEBA A/F epoxy resin containing mono functional higher isomer diluent . Mixture consisting of the following components		
CAS No	Designation	Index
55492-52-9	BPF-epoxy resin; MW < 700	Xi
25068-38-6	BPA-epoxy resin; MW < 700	Xi
68081-84-5	C13/C15 - Alkylglycidylether	Xi
%		R- Phases
50-100		36/38-43
10-24,9		36/38-43
10-24,9		36/38-43
3. HAZARDS IDENTIFICATION		
Hazard designation: Xi irritant N dangerous for the environment		
4. FIRST-AID MEASURES		
INHALATION: Remove victim to ventilated area - seek medical attention SKIN: Wash with warm soapy water immediately, remove contaminated clothing, do not use solvents to remove from skin. EYES: Rinse with copious amounts of water, seek medical attention. INGESTION: Seek medical attention.		
5. FIRE-FIGHTING MEASURES		
AUTOIGNITION TEMPERATURE: >100°C SPECIAL HAZARDS: Formation of toxic gases is possible. EXTINGUISHANTS LARGE FIRE/SMALL FIRE: Dry powder CO ₂ , water jet, foam.		
6. ACCIDENTAL RELEASE MEASURES Methods for cleaning up: Absorb in earth or sand and place into containers for disposal. Disposal of containers according to local regulations. Wash spill site thoroughly after material pick-up is complete. Prevent liquid from entering sewers.		
7. HANDLING AND STORAGE		
STORAGE PRECAUTIONS: Store in original containers between + 5°C and + 35°C. Keep container tightly sealed. HANDLING: Ensure good ventilation at work place.		
8. EXPOSURE CONTROLS/PERSONAL PROTECTION		
RECOMMENDED PROTECTIVE CLOTHING: Goggles/glasses, rubber gloves, overalls, barrier cream. GENERAL PROTECTION AND HYGIENIC MEASURES: Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of work. Avoid contact with eyes and skin.		
9. PHYSICAL AND CHEMICAL PROPERTIES		
PHYSICAL STATE: Liquid	APPEARANCE:	
DENSITY @ 25°C:	ODOUR: Slight sweet smell	
VAPOUR DENSITY (AIR = 1):	pH:	
VAPOUR PRESSURE @ 25°C: < 0.1 MBAR	VISCOSITY @ 25°C:	
SOLUBLE IN WATER: Insoluble		
10. STABILITY AND REACTIVITY		
THERMAL DECOMPOSITION/CONDITIONS TO BE AVOIDED: to avoid thermal decomposition do not overheat. DANGEROUS REACTIONS: reacts with amines, reacts with catalysts DANGEROUS PRODUCTS OF DECOMPOSITION: no dangerous decomposition products known.		
11. TOXICOLOGICAL INFORMATION		
ACUTE TOXICITY: PRIMARY IRRITANT EFFECT: ON THE SKIN: irritant for skin and mucous membranes ON THE EYE: irritant effect SENSITIZATION: sensitization possible by skin contact		
12. ECOLOGICAL INFORMATION:		
GENERAL NOTES: Should not be allowed to enter sewers and water courses. Water hazard class 2.		
13. DISPOSAL CONSIDERATIONS		
Do not allow into drains or water courses. Wastes including emptied containers, are controlled wastes and should be disposed of in accordance with Local and National regulations made under the Control of Pollution Act and the Environmental Protection Act. Using information provided in this data sheet, advice should be obtained from the Waste Regulation Authority whether the special waste regulations apply.		
14. TRANSPORT INFORMATION		
Land transport ADR/RID and GGVS-GGVE (cross-border - domestic)	UN-number:3082	
ADR/RID - GGVS-E Class: 9 various dangerous materials and objects	label: 9	
Number-letter: 11c		
Kemler number: 90		
designation of goods: environment hazardous substance, liquid, N.O.S. (epoxy resin)		
15. REGULATORY INFORMATION		
Designation according to EC guidelines: This product has been classified and labelled in accordance with EC directives See paragraphs 2, 3, and 8		
16. OTHER INFORMATION		
Customers are urged to ensure that the product is entirely suitable for their own purpose. It is the customer's responsibility to ensure that a suitable and sufficient assessment of the risks created by a work activity using this product is undertaken before this product is used. This information contained herein is based on our present knowledge however, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.		

PRODUCT SAFETY DATA SHEET

ACCORDING TO 93/112/EC

RM20 BS6920 LW MORTAR

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY		HARDENER component 2 of 3	
PRODUCT NAME AND CODE: RM20 BS6920 LW MORTAR - CODE 3377		EMERGENCY NUMBER (OFFICE HOURS) 01639 730481	
COMPANY-UNDERTAKING IDENTIFICATION - ROTAFIX HOUSE, ABERCRAF, SWANSEA, SA9 1UR. TEL: 01639 730481 FAX: 01639 730858			
2. COMPOSITION/INFORMATION ON INGREDIENTS			
Chemical characterisation			
Description: Mixture of the substances listed below with harmless additions			
Dangerous components:			
CAS NO.	Designation	%	Index
98-54-4	4-tert-butylphenol	25-<50	Xn
1477-55-0	m-phenylenebis (methylamine)	25-<50	C
25513-64-8	trimethyl hexamethylene diamine	3-<10	C
			R-phrases
			36/37/38-42/43
			22-34
			22-34-43
3. HAZARDS IDENTIFICATION			
Hazard designation: C			
Information pertaining to particular dangers for man and environment			
R42/43 May cause sensitization by inhalation and skin contact			
R22 Harmful if swallowed			
R34 Causes burns			
R37 Irritating to respiratory system			
4. FIRST-AID MEASURES			
INHALATION: Remove victim to ventilated area - seek medical attention.			
SKIN: Wash with warm soapy water immediately, remove contaminated clothing, do not use organic solvents to remove from skin.			
EYES: Rinse opened eye with plenty of water for several minutes, seek medical advice.			
INGESTION: Drink large amounts of water. Do not induce vomiting. Seek medical advice.			
5. FIRE-FIGHTING MEASURES			
EXTINGUISHANTS LARGE FIRE/SMALL FIRE: Dry powder CO ₂ , water jet, alcohol-resistant foam.			
6. ACCIDENTAL RELEASE MEASURES			
Methods for cleaning up: Absorb in earth or sand and place into containers for disposal. Disposal of containers according to local regulations. Wash spill site thoroughly after material pick-up is complete.			
7. HANDLING AND STORAGE			
HANDLING: Ensure good ventilation. Wear protective equipment.			
STORAGE PRECAUTIONS: Keep in sealed containers of origin between +5°C and +25°C			
8. EXPOSURE CONTROLS/PERSONAL PROTECTION			
RECOMMENDED PROTECTIVE CLOTHING: Safety goggles, overalls and rubber gloves.			
GENERAL PROTECTION AND HYGIENIC MEASURES: Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of work. Avoid contact with eyes and skin.			
9. PHYSICAL & CHEMICAL PROPERTIES:			
PHYSICAL STATE: Liquid		APPEARANCE: Golden liquid	
DENSITY @ 25°C: 1.086		ODOUR: Ammoniacal	
VAPOUR DENSITY (AIR = 1):		pH: 11	
VAPOUR PRESSURE @ 25°C:		VISCOSITY @ 25°C: 1000 mPa.s	
SOLUBLE IN WATER: Insoluble			
10. STABILITY AND REACTIVITY			
THERMAL DECOMPOSITION/CONDITIONS TO BE AVOIDED: No decomposition if used according to specification.			
DANGEROUS REACTIONS: No dangerous reaction known			
DANGEROUS PRODUCTS OF DECOMPOSITION: no dangerous decomposition products known.			
11. TOXICOLOGICAL INFORMATION			
ACUTE TOXICITY:			
PRIMARY IRRITANT EFFECT:			
ON THE SKIN: Caustic effect on skin and mucous membranes			
ON THE EYE: Strong caustic effect			
SENSITIZATION: sensitization possible by skin contact and inhalation			
12. ECOLOGICAL INFORMATION:			
Hazardous for water. Should not be allowed to enter sewers and water courses.			
13. DISPOSAL CONSIDERATIONS			
Do not allow into drains or water courses. Wastes including emptied containers, are controlled wastes and should be disposed of in accordance with Local and National regulations made under the Control of Pollution Act and the Environmental Protection Act. Using information provided in this data sheet, advice should be obtained from the Waste Regulation Authority whether the special waste regulations apply.			
14. TRANSPORT INFORMATION			
Land transport ADR/RID and GGVS-GGVE (cross-border - domestic)		UN-number: 1760	
ADR/RID - GGVS-E Class: 8 Corrosive materials		label: 8	
Number-letter: 66c			
Kemler number: 80			
designation of goods: CORROSIVE LIQUID, N.O.S., (TRIMETHYLHEXAMETHYLENEDIAMINE, BUTYLPHENOL)			
15. REGULATORY INFORMATION			
Designation according to EC guidelines: This product has been classified and labelled in accordance with EC directives			
See paragraphs 2, 3, and 8			
16. OTHER			
Customers are urged to ensure that the product is entirely suitable for there own purpose. It is the customers responsibility to ensure that a suitable and sufficient assessment of the risks created by a work activity using this product is undertaken before this product is used.			
This information contained herein is based on our present knowledge however, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.			

PRODUCT SAFETY DATA SHEET

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RM20 BS6920 LW MORTAR

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY		FILLER component 3 of 3
PRODUCT NAME AND CODE: RM20 BS6920 LW Mortar - 3377		EMERGENCY NUMBER (OFFICE HOURS) 01639 730481
COMPANY-UNDERTAKING IDENTIFICATION - ROTAFIX HOUSE, ABERCRRAF, SWANSEA, SA9 1UR. TEL: 01639 730481 FAX: 01639 730858		
2. COMPOSITION/INFORMATION ON INGREDIENTS		
NATURE & COMPOSITION: Silica sands, grades of cement and cement modifiers, plasticisers and other cementitious compounds. The lime, calcium silicates and alkalis within the cement are partially soluble and when mixed with water will give rise to a potentially hazardous alkaline solution.		
3. HAZARDS IDENTIFICATION All silica sands are washed in processing and contain little or no respirable silica, however, respirable silica may be produced when used. This constitutes a health hazard and great care should be exercised, particular attention being paid to the avoidance of inhaling dust produced. Wear dust masks or their equivalent to BS2901 type B.		
HEALTH EFFECTS: EYES: Irritant to eyes. Dust will cause transient irritation by abrasion. SKIN: Dust may cause irritation by abrasion. INGESTION: gastrointestinal irritation. INHALATION: Exposure to dust may have the following effects:- Severe irritation of nose, throat and respiratory tract. Due to respirable Silica. RISK PHRASES: Reacts with acids under heat SAFETY PHRASES: In fire toxic nitrous oxides formed		
4. FIRST-AID MEASURES		
EYES: Rinse with plenty of water for at least 15 minutes, seek medical advice. SKIN: Wash with plenty of soap and water or shower. In serious cases seek medical advice. INGESTION: Wash out mouth with water. Do not induce vomiting. Seek medical advice. INHALATION: Fresh air, rest, half upright position, loosen clothing, seek medical advice. Show practitioner this leaflet.		
5. FIRE-FIGHTING MEASURES		
Not combustible.		
6. ACCIDENTAL RELEASE MEASURES		
Transfer into suitable containers for recovery or disposal. Avoid creating a dust.		
7. HANDLING AND STORAGE		
HANDLING: Use in well ventilated area. Avoid inhaling dust. STORAGE: Storage area should be dry and well ventilated.		
8. EXPOSURE CONTROLS/PERSONAL PROTECTION		
Occupational Exposure Standards: Silica Sand : UK EH40: OES 0.4mg/m ³ 8h TWA, as SiO ₂ Dust, respirable: RECOMMENDED PROTECTIVE CLOTHING: Extra ventilation, safety goggles, overalls and gloves. INHALATION: If conditions are dusty, use dust respirator or mask to BS6016 type 3 and or BS2091. SKIN: Wear suitable protective gloves and face visor. EYES: Wear chemical goggles or face shield. INGESTION: Do not smoke, eat or drink when using this material.		
9. PHYSICAL & CHEMICAL PROPERTIES:		
PHYSICAL STATE: Free flowing blended powder	APPEARANCE: Grey	
DENSITY @ 25°C: 1.35-1.40 gms/cc	ODOUR: Nil	
VAPOUR DENSITY (AIR = 1): N/A	pH:	
VAPOUR PRESSURE @ 25°C: N/A	VISCOSITY @ 25°C: N/A	
SOLUBLE IN WATER: No		
10. STABILITY AND REACTIVITY		
Stability: Stable under normal conditions Conditions to Avoid: Exposure to water or moisture.		
11. TOXICOLOGICAL INFORMATION		
This product contains respirable Silica in the form of Quartz. Prolonged exposure can give rise to fibrosis of the lungs, commonly referred to as silicosis. The respirable percentage of SiO ₂ available to inhale will be dependant upon prevailing conditions.		
12. ECOLOGICAL INFORMATION:		
Mobility: The product is involatile and insoluble and will accumulate in the ground. Persistence/Degradability: The product is resistant to biodegradation.		
13. DISPOSAL CONSIDERATIONS		
Do not allow into drains or water courses. Wastes including emptied containers, are controlled wastes and should be disposed of in accordance with Local and National regulations made under the Control of Pollution Act and the Environmental Protection Act. Using information provided in this data sheet, advice should be obtained from the Waste Regulation Authority whether the special waste regulations apply.		
14. TRANSPORT INFORMATION		
ARD/RID - Description Not classified for Conveyance Purposes		
15. REGULATORY INFORMATION		
SAFETY PHRASES: Do not breathe dust. Take precautionary measures against static discharges.		
16. OTHER		
Customers are urged to ensure that the product is entirely suitable for there own purpose. It is the customers responsibility to ensure that a suitable and sufficient assessment of the risks created by a work activity using this product is undertaken before this product is used. This information contained herein is based on our present knowledge however, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.		