

**PRODUCT SAFETY DATA SHEET
ACCORDING TO 93/112/EC
EPOXY PUTTY HD**

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY PRODUCT NAME AND CODE: EPOXY PUTTY HD - 3210 EMERGENCY NUMBER (OFFICE HOURS) 01639 730481 COMPANY-UNDERTAKING IDENTIFICATION - ROTAFIX HOUSE, ABERCRAF, SWANSEA, SA9 1UR. TEL: 01639 730481 FAX: 01639 730858		BASE component 1 of 2		
2. COMPOSITION/INFORMATION ON INGREDIENTS NATURE & COMPOSITION: Liquid DGEB A/F epoxy resin containing mono functional higher isomer diluent . Mixture consisting of the following components				
CAS No	Designation	%	Index	R- Phases
55492-52-9	BPF-epoxy resin; MW < 700	50-100	Xi	36/38-43
25068-38-6	BPA-epoxy resin; MW < 700	10-24,9	Xi	36/38-43
68081-84-5	C13/C15 - Alkylglycidylether	10-24,9	Xi	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: putty like paste APPEARANCE: white DENSITY @ 25°C: 1.3 ODOUR: Slight sweet smell VAPOUR DENSITY (AIR = 1): pH: VAPOUR PRESSURE @ 25°C: VISCOSITY @ 25°C: thixotropic SOLUBLE IN WATER: hydrophobic				
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

EPOXY PUTTY HD

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY		HARDENER component 2 of 2	
PRODUCT NAME AND CODE: EPOXY PUTTY HD - 3210 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: Paste		APPEARANCE: Black paste	
DENSITY @ 25°C: 1.2		ODOUR: Ammoniacal	
VAPOUR DENSITY (AIR = 1):		pH: 11	
VAPOUR PRESSURE @ 25°C:		VISCOSITY @ 25°C: Thixotropic	
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 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.			