

**MATERIAL SAFETY DATA SHEET
ACCORDING TO 93/112/EC
CB10T**

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY		BASE component 1 of 2
PRODUCT NAME AND CODE: CB10T - 3550		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 DGEB 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		
		36/38-43
		36/38-43
		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: Thixotropic non-newtonian paste	APPEARANCE: Syrup consistency	
DENSITY @ 25°C: 1.08 gms/cc	ODOUR: Slight sweet smell	
VAPOUR DENSITY (AIR = 1):	pH:	
VAPOUR PRESSURE @ 25°C: < 0.1 MBAR	VISCOSITY @ 25°C: c. 1300 mPa.s	
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 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.		

MATERIAL SAFETY DATA SHEET

ACCORDING TO 93/112/EC

CB10T

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY PRODUCT NAME AND CODE: CB10T - 3550 COMPANY-UNDERTAKING IDENTIFICATION - ROTAFIX HOUSE, ABERCRAF, SWANSEA, SA9 1UR. TEL: 01639 730481 FAX: 01639 730858		HARDENER component 2 of 2 EMERGENCY NUMBER (OFFICE HOURS) 01639 730481		
2. COMPOSITION/INFORMATION ON INGREDIENTS Description: Cycloaliphatic amine				
CAS NO.	Description	%	Index	R-phrases
	Mannich base	65-70	C	34, 43
140-31-8	N-aminoethylpiperazine	5-10	C	21, 34, 43, 52, 53
1477-55-0	Benzene-1, 3-Dimethanamine	10-12	C	20/21, 35
100-51-6	Benzyl Alcohol	8-20	Xn	20/22
3. HAZARDS IDENTIFICATION Harmful by inhalation (R20). Causes burns (R34). May cause sensitization by skin contact (R43). Signs and symptoms of exposure (possible longer term effects) Repeated and/or prolonged contact with the skin may cause allergic reaction/sensitization. Repeated and/or prolonged exposures may result in: adverse eye effects (such as conjunctivitis or corneal damage). Adverse skin effects (such as defatting, rash, irritation or corrosion).				
4. FIRST-AID MEASURES INHALATION: Remove victim to ventilated area - seek medical attention. SKIN: Rinse with copious amounts of water, seek medical attention . EYES: Rinse opened eye with plenty of water for at least 15 minutes, seek medical advice. INGESTION: Do not induce vomiting. Drink 3-4 glasses of milk or water. Seek medical advice.				
5. FIRE-FIGHTING MEASURES EXTINGUISHANTS LARGE FIRE/SMALL FIRE: Water spray, Carbon Dioxide (CO ₂), Dry Chemical, Alcohol Foam. SPECIAL EXPOSURE HAZARDS: May generate toxic, irritating or flammable combustion products - carbon monoxide gas and toxic nitrogen oxide gases.				
6. ACCIDENTAL RELEASE MEASURES: Evacuate all personnel upwind from the spill, avoid contamination of ground and surface waters, notify local health authorities and other appropriate agencies if such contamination should occur Methods for cleaning up: Sweep up carefully and shovel into a container for disposal, absorb residual material on vermiculite and scoop up for disposal. Clean-up personnel must be equipped with self contained breathing apparatus and butyl rubber protective clothing.				
7. HANDLING AND STORAGE HANDLING: Avoid contact with skin or eyes. Handle in well ventilated work space. STORAGE PRECAUTIONS: Keep away from oxidizers, heat or flames. Keep in cool, dry, ventilated storage and in closed containers.				
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: Thixotropic paste DENSITY @ 20°C: 1.24 VAPOUR DENSITY (AIR = 1): VAPOUR PRESSURE @ 25°C: <0.1mm Hg SOLUBLE IN WATER: Insoluble APPEARANCE: Pale yellow translucent paste. ODOUR: Ammoniacal pH: 12 VISCOSITY @ 25°C: Thixotropic				
10. STABILITY AND REACTIVITY Materials to avoid: Oxidizing agents (i.e. perchlorates, nitrates etc.) A reaction accompanied by large heat release occurs when the product is mixed with acids. Hazardous decomposition products: Carbon monoxide in a fire: Carbon Dioxide in a fire: Ammonia when heated; Nitrogen Oxides in a fire. Nitrogen oxide can react with water vapours to form corrosive nitric acid.				
11. TOXICOLOGICAL INFORMATION PRIMARY IRRITANT EFFECT: ON THE SKIN: Harmful in contact with skin, corrosive to skin, may act as a sensitizer. ON THE EYE: Can cause eye irritation.				
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 ADR/RID SHIPPING DATA Corrosive Liquid, N.O.S. (mannich base/benzyl alcohol mixture) UN-number: 1760				
15. REGULATORY INFORMATION EEC SYMBOL - CORROSIVE (C) 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.				