

**PRODUCT SAFETY DATA SHEET
ACCORDING TO 93/112/EC
P12 PRIMER**

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY PRODUCT NAME AND CODE: P12 PRIMER - 3320-30 COMPANY-UNDERTAKING IDENTIFICATION - ROTAFIX HOUSE, ABERCRAF, SWANSEA, SA9 1UR. TEL: 01639 730481 FAX: 01639 730858		BASE component 1 of 2 EMERGENCY NUMBER (OFFICE HOURS) 01639 730481		
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	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: Liquid, amber colour DENSITY @ 25°C: 1.08 gms/cc VAPOUR DENSITY (AIR = 1): VAPOUR PRESSURE @ 25°C: < 0.1 MBar SOLUBLE IN WATER: Insoluble APPEARANCE: Syrup consistency ODOUR: Slight sweet smell pH: VISCOSITY @ 25°C: c 1300 mPa.s				
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) ADR/RID - GGVS-E Class: 9 various dangerous materials and objects Number-letter: 11c Kemler number: 90 designation of goods: environment hazardous substance, liquid, N.O.S. (epoxy resin) UN-number: 3082 label: 9				
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

P12 PRIMER

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY		HARDENER component 2 of 2		
PRODUCT NAME AND CODE: P12 PRIMER - 3320-30		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				
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: Mobile		APPEARANCE: Dark amber coloured liquid		
DENSITY @ 20°C: 1.24		ODOUR: Ammoniacal		
VAPOUR DENSITY (AIR = 1):		pH: 12		
VAPOUR PRESSURE @ 25°C: <0.1mm Hg		VISCOSITY @ 25°C: Thixotropic		
SOLUBLE IN WATER: Insoluble				
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 sensitiser.				
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.				