

MATERIAL SAFETY DATA SHEET

ACCORDING TO 93/112/EC

ROTAFIX STRUCTURAL ADHESIVE

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY		HARDENER component 2 of 2	
PRODUCT NAME AND CODE: ROTAFIX STRUCTURAL ADHESIVE - 3560		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			
Low viscosity polyetheramine mixture of primary secondary and tertiary amines. Causes burns.			
CAS No	Designation	%	Index
9046-10-0	Polyoxyalkyleneamine	100.00	C
			R- Phrases
			34
3. HAZARDS IDENTIFICATION			
Hazard Symbols: C Corrosive		Risk phrases: C R34 Causes burns.	
Inhalation: Vapours or mist are irritating and cause nasal discharge, coughing, and discomfort or pain in eyes, nose, throat, and chest. Severe overexposure may result in difficulty breathing, headache, nausea, vomiting, and drowsiness. Prolonged or repeated overexposure may result in lung damage.			
Skin: Causes severe irritation with pain, severe excess redness and swelling with chemical burns, blister formation, and possible tissue destruction.			
Eyes: Causes irritation, experienced as pain, with excess blinking and tear production, and seen as marked excess redness and swelling of the eye and chemical burns of the eye. Severe eye damage may cause blindness.			
Ingestion: Causes burning of mouth, throat, and stomach with abdominal and chest pain, nausea, vomiting, diarrhoea, thirst, weakness, and collapse. Aspiration may occur during swallowing or vomiting, resulting in lung damage.			
4. FIRST-AID MEASURES			
INHALATION: Remove to fresh air. Get immediate medical attention.			
SKIN: Wash with plenty of soap and water or shower. Remove contaminated clothing. Seek medical attention.			
EYES: Hold eye lids apart, rinse with large amounts of running water for at least 15 minutes, seek immediate medical advice. Continue flushing with water for an additional 15 minutes if medical attention is not available.			
INGESTION: Drink large amounts of water. Do not induce vomiting. Seek medical advice, show practitioner this leaflet.			
5. FIRE-FIGHTING MEASURES			
Suitable Extinguishing Media: Use water fog, dry powder, foam, or carbon dioxide. Water or foam may cause frothing. Use water to cool fire-exposed containers. If a leak or spill has not ignited, use water fog to disperse the vapours and to provide protection for persons attempting to stop the leak.			
Special exposure hazards: Toxic vapours (hydrogen cyanide) may be formed.			
6. ACCIDENTAL RELEASE MEASURES			
Ventilate area. Avoid breathing vapour. Use self-contained breathing apparatus or supplied air for large spills or confined areas. Contain spill if possible. Wipe up or absorb on suitable material and shovel up. Prevent entry into sewers and waterways.			
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: Minimum feasible handling temperatures should be maintained. Chemical type goggles with face shield and impervious gloves MUST be worn.			
Storage: Periods of exposure to high temperatures should be minimised. Water contamination should be avoided.			
8. EXPOSURE CONTROLS/PERSONAL PROTECTION			
RECOMMENDED PROTECTIVE CLOTHING: Visor/goggles/glasses, rubber gloves, overalls, barrier cream			
INHALATION: Airborne concentrations should be kept to lowest levels possible. If vapour, mist or dust is generated, use approved respirator as appropriate. Supplied air respiratory protection should be used for cleaning large spills or upon entry into tanks, vessels, or other confined spaces.			
SKIN: Protective clothing/overalls should be worn. Gloves resistant to chemicals.			
EYES: Avoid eye contact. Chemical type goggles with face shield must be worn. Do not wear contact lenses.			
INGESTION: Under normal use, highly unlikely. PRECAUTIONS: Do not smoke, eat or drink when using this material.			
9. PHYSICAL & CHEMICAL PROPERTIES:			
PHYSICAL STATE:		APPEARANCE: White/Grey gel	
DENSITY @ 25°C: 0.948 gms/cc		ODOUR: Ammoniacal.	
VAPOUR DENSITY (AIR = 1):		pH: 12	
VAPOUR PRESSURE @ 25°C: < 0.1 MBAR		VISCOSITY @ 25°C: Non newtonian	
SOLUBLE IN WATER: slightly			
10. STABILITY AND REACTIVITY			
This material reacts violently with acids.			
Products evolved when subjected to heat or combustion: Toxic levels of ammonia, combustion products of nitrogen, carbon monoxide, carbon dioxide, irritating aldehydes and ketones may be formed on burning in a limited air supply.			
11. TOXICOLOGICAL INFORMATION			
ACUTE TOXICITY::			
PRIMARY IRRITANT EFFECT:			
ON THE SKIN: Causes severe irritation with pain, severe excess redness and swelling with chemical burns, blister formation, and possible tissue destruction.			
ON THE EYE: Causes irritation, experienced as pain, with excess blinking and tear production, and seen as marked excess redness and swelling of the eye and chemical burns of the eye. Severe eye damage may cause blindness.			
SENSITIZATION:			
12. ECOLOGICAL INFORMATION: 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 - GGVS/E Class: 8		label:	8
Number-letter: 53b		UK Hazchem No:	2R
Kemler number: 80		UN-number:	2735
Shipping name: Amines, Liquid, Corrosive, N.O.S.			
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.			