

PRODUCT SAFETY DATA SHEET

ACCORDING TO 93/112/EC

ZEROSSET MORTAR

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY		HARDENER component 2 of 3		
PRODUCT NAME AND CODE: ZEROSSET MORTAR - 3540-1		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: Liquid		APPEARANCE: High viscosity black liquid		
DENSITY @ 20°C:		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.				

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ZEROSSET MORTAR

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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: <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">PHYSICAL STATE: Free flowing blended powder</td> <td style="width: 50%;">APPEARANCE: Grey</td> </tr> <tr> <td>DENSITY @ 25°C: 1.35-1.49 gms/cc</td> <td>ODOUR: Nil</td> </tr> <tr> <td>VAPOUR DENSITY (AIR = 1): N/A</td> <td>pH:</td> </tr> <tr> <td>VAPOUR PRESSURE @ 25°C: N/A</td> <td>VISCOSITY @ 25°C: N/A</td> </tr> <tr> <td>SOLUBLE IN WATER: No</td> <td></td> </tr> </table>		PHYSICAL STATE: Free flowing blended powder	APPEARANCE: Grey	DENSITY @ 25°C: 1.35-1.49 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	
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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 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.											