

**1. PRODUCT AND COMPANY IDENTIFICATION**

Product Code	EP80A
Product Name	SikaRepair/Sikafloor EpoCem Module Part A
Product Description	2-component water dispersible epoxy resin based primer.
Manufacturer/Supplier	Sika Limited Watchmead Welwyn Garden City Hertfordshire. AL7 1BQ tel. 01707 394444 Fax. 01707 329129

2. COMPOSITION/INFORMATION ON THE COMPONENTS**Preparation - Hazardous ingredients (Europe)**

Component	CAS/EINECS	Concentration	Classification	Risk Phrases
Epoxy resin (No.Av. mol.wt. < 700)	25068-38-6	50.00% - 100.00%	Xi, N	R36/38, R43, R51/53
Aliphatic glycidyl ether	68609-97-2	2.50% - 10.00%	Xi, N	R38, R43, R51/53

3. HAZARD IDENTIFICATION

Main Hazards	Irritating to eyes and skin. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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4. FIRST AID MEASURES

Eye Contact	Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention urgently.
Skin Contact	Wipe off as much as possible with a clean dry cloth. Wash skin thoroughly with soap and water. Solvents should not be used to clean skin because they may increase the penetration of the material.
Ingestion	Wash out mouth with water. Obtain medical attention.
Inhalation	Remove from exposure. Seek medical attention if you feel unwell.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Not readily combustible. Use foam, dry chemical or carbon dioxide.
Extinguishing Media - Not suitable	Do not use water jet.
Special Hazards of Product	Combustion will produce smoke, carbon dioxide and carbon monoxide.
Protective Equipment for Fire-Fighting	Wear full protective clothing and self-contained breathing apparatus.



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6. ACCIDENTAL RELEASE MEASURES

<i>Personal Precautions</i>	Wear appropriate protective clothing.
<i>Environmental Precautions and Clean-up Methods</i>	Try to prevent the material from entering drains or water courses.
<i>Spillages</i>	Contain and absorb using earth, sand or other inert material. Transfer into suitable containers for recovery or disposal.

7. HANDLING AND STORAGE

<i>Handling</i>	Use in well ventilated area. Avoid contact with eyes, skin and clothing.
<i>Storage</i>	Storage area should be: cool. dry. Storage temperature should be controlled to between 5 and 25 °C. Store in the original container securely closed . Keep away from foodstuffs

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<i>Engineering Control Measures</i>	Use of the basic principles of Industrial Hygiene will enable this material to be used safely.
<i>Respiratory Protection</i>	Respiratory protection not normally required.
<i>Hand Protection</i>	Wear suitable impervious gloves. (butyl / nitrile type) The insides of gloves must be kept scrupulously clean.
<i>Eye Protection</i>	Wear safety glasses if risks of accidental contamination are possible during application.

9. PHYSICAL AND CHEMICAL PROPERTIES

<i>Physical State</i>	Liquid.
<i>Color</i>	Straw
<i>Odor</i>	Faint. Characteristic.
<i>pH</i>	Approx. 8
<i>Flash Point °C</i>	Exceeds 100.
<i>Solubility - Water</i>	Miscible.
<i>Density (kg/m3)</i>	Approx. 1050 at 20 °C.
<i>Viscosity (at 20°C)</i>	250 at 20 °C. (measured as mPa.s)

10. STABILITY AND REACTIVITY

<i>Stability</i>	Stable under normal conditions.
<i>Conditions to avoid</i>	Extremes of temperature. Protect from frost
<i>Hazardous Decomposition Products</i>	Heating may produce: oxides of carbon. acrid smoke and irritating fumes.



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11. TOXICOLOGICAL INFORMATION

<i>Acute toxicity</i>	Low order of acute toxicity.
<i>Eye irritation</i>	Irritating to the eyes.
<i>Skin irritation</i>	Frequent or prolonged skin contact may cause some local short term skin irritation.
<i>Sensitization - Skin</i>	The low molecular weight epoxy resin is a potential skin sensitizer. The possibility of allergic sensitisation should be considered

12. ECOLOGICAL INFORMATION

<i>Mobility</i>	Emulsifiable in water.
<i>Persistence/degradability</i>	The product is expected to be not readily biodegradable.
<i>Ecotoxicity</i>	This material is harmful to aquatic organisms.

13. DISPOSAL

<i>Product Disposal</i>	Dispose of as Special Waste. Arrange for disposal via a licensed waste contractor.
<i>Container Disposal</i>	Dispose of containers with care. Empty containers may contain hazardous residues. Empty packaging should be removed by a licensed waste contractor.

14. TRANSPORT INFORMATION

<i>UN : UN number</i>	3082
<i>UN : Class</i>	9
<i>UN : Packing Group</i>	3
<i>ADR/RID : Number</i>	3082
<i>ADR/RID : Proper shipping name</i>	Environmentally hazardous substance, liquid, n.o.s.
<i>ADR/RID : Class</i>	contains Epoxy resin
<i>ADR/RID : Item Number</i>	11(c)
<i>IMDG : Proper shipping name</i>	Environmentally hazardous substance, liquid, N.O.S. contains Epoxy Resin
<i>IMDG : Packing Group</i>	3
<i>IMDG : Class</i>	9
<i>IATA : Proper shipping name</i>	Not Regulated under ICAO

15. REGULATORY INFORMATION

Label Requirements Irritant, Dangerous for the environment



Risk Phrases Irritating to eyes and skin.
May cause sensitisation by skin contact.
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases Avoid contact with skin.
Wear suitable gloves.

Contains epoxy constituents. See information supplied by the manufacturer.



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16. OTHER INFORMATION

First Issue Date

20.12.1995

Revisions Highlighted

Hazards Identification
Regulatory Information

Uses and Restrictions

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 the use of the product is undertaken.

UK Legislation

Health and Safety at Work etc Act, 1974, and relevant Statutory Provisions.
Chemicals (Hazard Information and Packaging) Regulations, 2002.
SI 1999/437: The Control of Substances Hazardous to Health Regulations
SI No 2839 1991 Environmental Protection (Duty of Care) Regulations.
SI No. 972/1996: The Special Waste Regulations 1996

UK Guidance Publications

EH26, Occupational Skin Diseases: Health and Safety Precautions, HSE.
General Approved Code of Practice to COSHH Regulations, HSE.

Footnote

The information contained in this SDS corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the Technical Data Sheet prior to use.

**1. PRODUCT AND COMPANY IDENTIFICATION**

Product Code	SEP80B
Product Name	SikaRepair/Sikafloor EpoCem Module Part B
Product Description	2-component water dispersible epoxy resin based primer.
Manufacturer/Supplier	Sika Limited Watchmead Welwyn Garden City Hertfordshire. AL7 1BQ tel. 01707 394444 Fax. 01707 329129

2. COMPOSITION/INFORMATION ON THE COMPONENTS**Preparation - Hazardous ingredients (Europe)**

Component	CAS/EINECS	Concentration	Classification	Risk Phrases
Isophoronediamine	2855-13-2	1.00% - 2.50%	C	R21/22, R34, R43, R52/53

3. HAZARD IDENTIFICATION

Main Hazards May cause sensitisation by skin contact.

4. FIRST AID MEASURES

Eye Contact	Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention urgently.
Skin Contact	Wipe off as much as possible with a clean dry cloth. Wash skin thoroughly with soap and water. If material proves difficult to remove, use suitable skin cleanser (not solvent). Solvents should not be used to clean skin because they may increase the penetration of the material. Obtain medical attention if blistering occurs or redness persists. Contaminated clothing should be washed or dry-cleaned before re-use.
Ingestion	Do not induce vomiting. Wash out mouth with water. Obtain medical attention urgently.
Inhalation	Remove from exposure. Seek medical attention if you feel unwell.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Not readily combustible. Use foam, dry chemical or carbon dioxide.
Extinguishing Media - Not suitable	Do not use water jet.
Special Hazards of Product	Combustion will generate oxides of carbon and nitrogen
Protective Equipment for Fire-Fighting	Wear full protective clothing and self-contained breathing apparatus.



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Date of issue - 20/06/2002.

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6. ACCIDENTAL RELEASE MEASURES

<i>Personal Precautions</i>	Wear appropriate protective clothing.
<i>Environmental Precautions and Clean-up Methods</i>	Try to prevent the material from entering drains or water courses.
<i>Spillages</i>	Contain and absorb using earth, sand or other inert material. Transfer into suitable containers for recovery or disposal.

7. HANDLING AND STORAGE

<i>Handling</i>	Use in well ventilated area. Avoid contact with eyes, skin and clothing.
<i>Storage</i>	Storage area should be: cool. dry. Protect from extremes of cold. Storage temperature should be controlled to between 5 and 25 °C. Store in the original container securely closed . Keep away from foodstuffs

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<i>Engineering Control Measures</i>	Use of the basic principles of Industrial Hygiene will enable this material to be used safely.
<i>Respiratory Protection</i>	Respiratory protection not normally required.
<i>Hand Protection</i>	Wear suitable impervious gloves. (butyl / nitrile type) The insides of gloves must be kept scrupulously clean.
<i>Eye Protection</i>	Chemical goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

<i>Physical State</i>	Liquid.
<i>Color</i>	Milky-white.
<i>Odor</i>	Amine like.
<i>pH</i>	Approx. 11
<i>Flash Point °C</i>	72
<i>Solubility - Water</i>	Miscible.
<i>Density (kg/m3)</i>	Approx. 1030 at 20 °C.
<i>Viscosity (at 20°C)</i>	Mobile liquid at ambient temperatures. 120 at 20 °C. (measured as mPa.s)

10. STABILITY AND REACTIVITY

<i>Stability</i>	Stable under normal conditions.
<i>Conditions to avoid</i>	Extremes of temperature.
<i>Hazardous Decomposition Products</i>	Combustion will generate: oxides of carbon. oxides of nitrogen. ammonia. acrid smoke and irritating fumes.

11. TOXICOLOGICAL INFORMATION

<i>Acute toxicity</i>	Low order of acute toxicity.
<i>Eye irritation</i>	The product should be considered as a severe eye irritant.
<i>Skin irritation</i>	The product should be considered as a moderate skin irritant.
<i>Sensitization - Skin</i>	Frequent or prolonged skin contact may cause some local short term skin irritation. The possibility of allergic sensitisation should be considered.



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Date of issue - 20/06/2002.

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12. ECOLOGICAL INFORMATION

<i>Mobility</i>	The product will dissolve rapidly in water.
<i>Persistence/degradability</i>	The product is expected to be not readily biodegradable.
<i>Ecotoxicity</i>	The product may be harmful to aquatic organisms.

13. DISPOSAL

<i>Product Disposal</i>	Dispose of as Special Waste. Arrange for disposal via a licensed waste contractor.
<i>Container Disposal</i>	Dispose of containers with care. Empty containers may contain hazardous residues. Empty packaging should be removed by a licensed waste contractor.

14. TRANSPORT INFORMATION

<i>ADR/RID : Number</i>	Not Regulated under ADR/RID
<i>IMDG : Proper shipping name</i>	Not Regulated under IMDG
<i>IATA : Proper shipping name</i>	Not Regulated under ICAO

15. REGULATORY INFORMATION

<i>Label Requirements</i>	Irritant 
<i>Risk Phrases</i>	May cause sensitisation by skin contact.
<i>Safety Phrases</i>	Avoid contact with skin. Wear suitable gloves.

16. OTHER INFORMATION

<i>First Issue Date</i>	20.12.2000
<i>Revisions Highlighted</i>	Composition/Information on the Components S phrases
<i>Uses and Restrictions</i>	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 the use of the product is undertaken.
<i>UK Legislation</i>	Health and Safety at Work etc Act, 1974, and relevant Statutory Provisions. Chemicals (Hazard Information and Packaging) Regulations, 2002. SI 1999/437: The Control of Substances Hazardous to Health Regulations SI No. 972/1996: The Special Waste Regulations 1996 SI No 2839 1991 Environmental Protection (Duty of Care) Regulations.
<i>UK Guidance Publications</i>	General Approved Code of Practice to COSHH Regulations, HSE.
<i>Footnote</i>	The information contained in this SDS corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the Technical Data Sheet prior to use.

**1. PRODUCT AND COMPANY IDENTIFICATION**

Product Code	SKD45EPC
Product Name	Sikadur 45 Epocem Part C
Product Description	3-component epoxy reinforced cementitious repair and reprofiling mortar.
Manufacturer/Supplier	Sika Limited Watchmead Welwyn Garden City Hertfordshire. AL7 1BQ tel. 01707 394444 Fax. 01707 329129

2. COMPOSITION/INFORMATION ON THE COMPONENTS**Preparation - Hazardous ingredients (Europe)**

Component	CAS/EINECS	Concentration	Classification	Risk Phrases
Portland Cement	65997-15-1	10.00% - 25.00%	Xi	R41, R37/38
Calcium carbonate	1317-65-3	2.50% - 10.00%	-	-
Silica,amorphous	7631-86-9	2.50% - 10.00%	-	-

3. HAZARD IDENTIFICATION

Main Hazards	Risk of serious damage to eyes. Irritating to respiratory system and skin.
Health Effects - Inhalation	Respirable silica dusts if inhaled over a prolonged period could constitute a health hazard.(see Sect.8)

4. FIRST AID MEASURES

Eye Contact	Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention urgently. Eyelids should be held away from the eyeball to ensure thorough rinsing.
Skin Contact	Wash skin thoroughly with soap and water. Obtain medical attention if blistering occurs or redness persists. Contaminated clothing should be washed or dry-cleaned before re-use.
Ingestion	Do not induce vomiting. Wash out mouth with water.
Inhalation	Remove from exposure. In cases of possible respiratory irritation or if feeling unwell in cases of prolonged exposure,obtain medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Not combustible. Select extinguishing agent appropriate to other materials involved.
Special Hazards of Product	None.



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Sikadur 45 Epocem Part C

Date of issue - 08/04/2003.

SKD45EPC

6. ACCIDENTAL RELEASE MEASURES

<i>Personal Precautions</i>	Wear appropriate protective clothing.
<i>Environmental Precautions and Clean-up Methods</i>	Try to prevent the material from entering drains or water courses.
<i>Spillages</i>	Avoid creating a dust. Sweep up into suitable containers for recovery or disposal.

7. HANDLING AND STORAGE

<i>Handling</i>	Exposure by inhalation or skin contact should be minimised by good Industrial Hygiene practices. Avoid inhaling dust. Avoid contact with eyes, skin and clothing. Mix in a well ventilated area.
<i>Storage</i>	Storage area should be: cool. dry. Keep away from foodstuffs

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits - GB

Calcium carbonate	UK EH40: OES 10mg/m ³ 8h TWA. Dust, total inhalable: UK EH40: OES 5mg/m ³ 8h TWA. Dust, respirable:
Silica,amorphous	UK EH40: OES 6mg/m ³ 8h TWA. Dust, total inhalable: UK EH40: OES 3mg/m ³ 8h TWA. Dust, respirable:
Portland cement	UK EH40: OES 10mg/m ³ 8h TWA. Dust, total inhalable: UK EH40: OES 5mg/m ³ 8h TWA. Dust, respirable:

<i>Engineering Control Measures</i>	Use of the basic principles of Industrial Hygiene will enable this material to be used safely. Every effort should be made to prevent airborne dusts arising during mixing operations.
<i>Respiratory Protection</i>	If limits are exceeded use an approved dust mask.
<i>Hand Protection</i>	Wear suitable impervious gloves. The insides of gloves must be kept scrupulously clean.
<i>Eye Protection</i>	Dust tight goggles.
<i>Body Protection</i>	Protective clothing should be worn which ensures that cementitious materials do not come into contact with the skin. Particular care should be taken to ensure that wet mortar does not enter boots/footwear.

9. PHYSICAL AND CHEMICAL PROPERTIES

<i>Physical State</i>	Powder.
<i>Color</i>	Grey.
<i>Odor</i>	None.
<i>pH</i>	Approx. 12 in water.
<i>Flash Point °C</i>	Not applicable.
<i>Solubility - Water</i>	Partially soluble.
<i>Density (kg/m³)</i>	Approx. 1450 (loose)



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10. STABILITY AND REACTIVITY

<i>Stability</i>	Stable under normal conditions.
<i>Materials to avoid</i>	Strong mineral acids.
<i>Hazardous Decomposition Products</i>	None known.

11. TOXICOLOGICAL INFORMATION

<i>Acute toxicity</i>	Low order of acute toxicity.
<i>Eye irritation</i>	Cement is a severe eye irritant. Gross exposures or untreated mild exposures can lead to chemical burning and ulceration of the eye.
<i>Skin irritation</i>	Prolonged contact may cause irritation.
<i>Sensitization - Skin</i>	The possibility of allergic sensitisation should be considered.

12. ECOLOGICAL INFORMATION

<i>Mobility</i>	The product is sparingly soluble in water.
<i>Persistence/degradability</i>	Inorganic basis, therefore non biodegradable.
<i>Ecotoxicity</i>	The product is expected to be non-hazardous to aquatic species.


13. DISPOSAL

<i>Product Disposal</i>	Dispose of as Special Waste. Arrange for disposal via a licensed waste contractor.
<i>Container Disposal</i>	Dispose of containers with care. Empty packaging should be removed by a licensed waste contractor.

14. TRANSPORT INFORMATION

<i>ADR/RID : Number</i>	Not Regulated under ADR/RID
<i>IMDG : Proper shipping name</i>	Not Regulated under IMDG
<i>IATA : Proper shipping name</i>	Not Regulated under ICAO

15. REGULATORY INFORMATION

<i>Label Requirements</i>	Irritant 
<i>Risk Phrases</i>	Risk of serious damage to eyes. Irritating to respiratory system and skin.
<i>Safety Phrases</i>	Do not breathe gas/fumes/vapor/spray In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. In case of insufficient ventilation, wear suitable respiratory equipment. Wear eye/face protection.



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Date of issue - 08/04/2003.

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16. OTHER INFORMATION

First Issue Date	20.12.1995
Revisions Highlighted	Hazards Identification Regulatory Information
Uses and Restrictions	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 the use of the product is undertaken.
UK Legislation	Health and Safety at Work etc Act, 1974, and relevant Statutory Provisions. SI 2002/1689: Chemicals (Hazard Information and Packaging) Regulations, 2002. SI 1999/437: The Control of Substances Hazardous to Health Regulations SI No 2839 1991 Environmental Protection (Duty of Care) Regulations. SI No. 972/1996: The Special Waste Regulations 1996
UK Guidance Publications	General Approved Code of Practice to COSHH Regulations, HSE. EH40, Occupational Exposure Limits, HSE. Revised Annually. EH44, Dust in the Workplace: General Principles of Protection, HSE. EH26, Occupational Skin Diseases: Health and Safety Precautions, HSE. CONIAC Health Hazard Information Sheet No.26 (Cement)
Footnote	The information contained in this SDS corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the Technical Data Sheet prior to use.