

**1. PRODUCT AND COMPANY IDENTIFICATION**

| | |
|------------------------------|--|
| Product Code | SKFL39ASA |
| Product Name | Sikafloor 390AS Part A |
| Product Description | 2-component chemical resistant epoxy resin based flooring system. |
| 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) | 9003-36-5 | 10.00% - 25.00% | Xi, N | R36/38, R43, R51/53 |
| 1,1,1-tris(hydroxymethyl)propane triglycidyl ether | 30499-70-8 | 2.50% - 10.00% | Xi | R36/38, R43 |
| Benzyl Alcohol | 100-51-6 | 2.50% - 10.00% | Xn | R20/22 |
| Solvent Naptha (Petroleum),Light Aromatic. | 64742-95-6 | 0.10% - 1.00% | Xn, N | R10, R37, R51/53, R65, R66, R67 |

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. |
|---------------------|---|

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. |
| Ingestion | Do not induce vomiting. Wash out mouth with water. Obtain medical attention. |
| 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

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

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) |
| <i>Eye Protection</i> | Chemical goggles if there is a risk of splashing. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-----------------------------------|------------------------|
| <i>Physical State</i> | Liquid. |
| <i>Color</i> | Various |
| <i>Odor</i> | Faint. Characteristic. |
| <i>Flash Point °C</i> | > 101 |
| <i>Solubility - Water</i> | Immiscible. |
| <i>Density (kg/m³)</i> | Approx. 1600 at 20 °C. |
| <i>Viscosity (at 20°C)</i> | 8'000 - 10'000 mPas |



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Date of issue - 28/05/2004.

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10. STABILITY AND REACTIVITY

| | |
|---|---|
| <i>Stability</i> | Stable under normal conditions. |
| <i>Hazardous Decomposition Products</i> | Combustion will generate: oxides of carbon. acrid smoke and irritating fumes. |

11. TOXICOLOGICAL INFORMATION

| | |
|-----------------------------|--|
| <i>Acute toxicity</i> | Low order of acute toxicity. |
| <i>Eye irritation</i> | Irritating to the eyes. |
| <i>Skin irritation</i> | Prolonged contact may cause irritation. |
| <i>Sensitization - Skin</i> | The low molecular weight epoxy resin is a potential skin sensitiser. |

12. ECOLOGICAL INFORMATION

| | |
|----------------------------------|--|
| <i>Mobility</i> | The product is insoluble 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 :</i> | <i>UN number</i> | 3082 |
| <i>UN :</i> | <i>Proper shipping name</i> | Environmentally hazardous substances, liquid, n.o.s. Contains: Epoxy Resin |
| <i>UN :</i> | <i>Class</i> | 9 |
| <i>UN :</i> | <i>Packing Group</i> | 3 |
| <i>ADR/RID :</i> | <i>Number</i> | 3082 |
| <i>ADR/RID :</i> | <i>Proper shipping name</i> | Environmentally hazardous substance, liquid, n.o.s. Contains: Epoxy Resin |
| <i>ADR/RID :</i> | <i>Class</i> | |
| <i>ADR/RID :</i> | <i>Item Number</i> | 11(c) Class M6 |
| <i>IMDG :</i> | <i>Proper shipping name</i> | Environmentally hazardous substance, liquid, n.o.s. contains Epoxy Resin |
| <i>IMDG :</i> | <i>Packing Group</i> | 3 |
| <i>IMDG :</i> | <i>Class</i> | 9 |
| <i>IATA :</i> | <i>Proper shipping name</i> | Environmentally hazardous substance, liquid, n.o.s. |
| <i>IATA :</i> | <i>Packing Group</i> | 3 |
| <i>IATA :</i> | <i>Class</i> | 9 |



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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.

Contains

reaction product: bisphenol A-(epichlorhydrin)
epoxy resin (No av mol wt <= 700)
reaction product: bisphenol F-(epichlorhydrin)
epoxy resin (No av mol wt <= 700)
1,1,1-tris(hydroxymethyl)propane triglycidyl ether

16. OTHER INFORMATION

First Issue Date

2.12.2003

Revisions Highlighted

Composition and Information on Ingredients

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
SI 2002/2677: 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.

UK Guidance Publications

Approved Code of Practice - Management of Health and Safety at Work, 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.



SAFETY DATA SHEET

Sikafloor 390AS Part B

Date of issue - 19/12/2005.

SKFL39ASB

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code SKFL39ASB
Product Name Sikafloor 390AS Part B
Product Description 2-component chemical resistant epoxy resin based flooring system.
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 |
|-----------------------------|-------------|-----------------|----------------|--------------------------|
| Modified aliphatic diamine | 73050-11-0 | 25.00% - 50% | C | R20/22, R34, R43, R52/53 |
| Isophoronediamine | 2855-13-2 | 10.00% - 25.00% | C | R21/22, R34, R43, R52/53 |
| M-phenylenebis(methylamine) | 1477-55-0 | 10.00% - 25.00% | C | R20/22, R35, R43, R52/53 |
| Benzyl Alcohol | 100-51-6 | 10.00% - 25.00% | Xn | R20/22 |
| Dodecylphenol, branched | 121158-58-5 | 2.50% - 10.00% | C, N | R35, R50/53 |

3. HAZARD IDENTIFICATION

Main Hazards Causes severe burns.
May cause sensitisation by skin contact.
Harmful by inhalation and if swallowed.
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES

Eye Contact Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open.
Eyelids should be held away from the eyeball to ensure thorough rinsing.
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.
Obtain medical attention.

Inhalation Remove from exposure.
In cases of possible respiratory irritation or if feeling unwell in cases of prolonged exposure, obtain medical attention.



SAFETY DATA SHEET

Sikafloor 390AS Part B

Date of issue - 19/12/2005.

SKFL39ASB

5. FIRE FIGHTING MEASURES

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

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> | Mix in a 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> | Chemical goggles. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|----------------------------|--|
| <i>Physical State</i> | Liquid. |
| <i>Color</i> | Clear. - Yellow. |
| <i>Odor</i> | Amine like. |
| <i>pH</i> | 12 (aqueous extract) |
| <i>Flash Point °C</i> | Exceeds 100. |
| <i>Solubility - Water</i> | Partly miscible |
| <i>Density (kg/m3)</i> | Approx. 1070 at 20 °C. |
| <i>Viscosity (at 20°C)</i> | Mobile liquid at ambient temperatures. |



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Date of issue - 19/12/2005.

SKFL39ASB

10. STABILITY AND REACTIVITY

| | |
|---|---|
| <i>Stability</i> | Stable under normal conditions. |
| <i>Hazardous Decomposition Products</i> | Heating may produce: ammonia. oxides of carbon. oxides of nitrogen. acrid smoke and irritating fumes. |

11. TOXICOLOGICAL INFORMATION

| | |
|-----------------------------|--|
| <i>Acute toxicity</i> | Low order of acute toxicity. |
| <i>Eye irritation</i> | This material is corrosive to the eye. |
| <i>Skin irritation</i> | This material is corrosive to the skin. |
| <i>Sensitization - Skin</i> | May cause allergic reactions to certain individuals. |

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> | Hazardous 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 :</i> | <i>UN number</i> | 1760 |
| <i>UN :</i> | <i>Proper shipping name</i> | Corrosive liquid, n.o.s. |
| <i>UN :</i> | <i>Class</i> | 8 |
| <i>UN :</i> | <i>Packing Group</i> | 3 |
| <i>ADR/RID :</i> | <i>Number</i> | 1760 |
| <i>ADR/RID :</i> | <i>Proper shipping name</i> | Corrosive liquid, n.o.s. |
| <i>ADR/RID :</i> | <i>Class</i> | Contains : m-xylylenediamine / Isophoronediamine |
| <i>ADR/RID :</i> | <i>Item Number</i> | 66(c) Class C9 |
| <i>IMDG :</i> | <i>Proper shipping name</i> | Corrosive liquid, N.O.S. (contains m-xylylenediamine / Isophoronediamine) |
| <i>IMDG :</i> | <i>Packing Group</i> | 3 |
| <i>IMDG :</i> | <i>Class</i> | 8 |
| <i>IMDG :</i> | <i>Marine Pollutant</i> | P |
| <i>IMDG :</i> | <i>Ems Number</i> | F-A, S-B |
| <i>IATA :</i> | <i>Proper shipping name</i> | Corrosive liquid, N.O.S. Contains:m-xylylenediamine / Isophoronediamine |
| <i>IATA :</i> | <i>Packing Group</i> | 3 |
| <i>IATA :</i> | <i>Class</i> | 8 |



SAFETY DATA SHEET

Sikafloor 390AS Part B

Date of issue - 19/12/2005.

SKFL39ASB

15. REGULATORY INFORMATION

Label Requirements

Corrosive, Dangerous for the environment



Risk Phrases

Causes severe burns.
May cause sensitisation by skin contact.
Harmful by inhalation and if swallowed.
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases

Avoid contact with skin.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
Wear suitable protective clothing, gloves and eye/face protection.

Contains

Modified aliphatic diamine
M-phenylebis(methylamine)
3-aminomethyl-3,5,5-trimethylcyclohexylamine

16. OTHER INFORMATION

First Issue Date

2.12.2003

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
SI 2002/2677: The Control of Substances Hazardous to Health Regulations
SI No 2839 1991 Environmental Protection (Duty of Care) Regulations.

UK Guidance Publications

SI 2005/ 894 Hazardous waste regulations 2005
Approved Code of Practice - Management of Health and Safety at Work, HSE.
General Approved Code of Practice to COSHH Regulations, HSE.

Footnote

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