

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Code** SKFL230A  
**Product Name** Sikafloor 230 ESD Part A  
**Product Description** 2 component electrostatically dissipative epoxy floor seal coat  
**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
Polyaminadduct		10.00% - 25.00%	Xi	R 41
Benzyl Alcohol	100-51-6	1.00% - 2.50%	Xn	R20/22
Isopropyl alcohol	67-63-0	1.00% - 2.50%	F, Xi	R11, R36, R67

**3. HAZARD IDENTIFICATION**

**Main Hazards** Risk of serious damage to eyes.

**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** Do not induce vomiting. 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 generate oxides of carbon and nitrogen. See also Section 10.

**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. 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

#### Occupational Exposure Limits - GB

Isopropyl alcohol	UK EH40: WEL 400 ppm ( 999 mg/m3) 8 hr TWA UK EH40: WEL 500 ppm ( 1250 mg/m3) 15 min STEL
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<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>	Adequate ventilation should be provided to maintain solvent concentrations in the workplace below exposure limits. If limits are exceeded use an approved respirator suitable for the purpose. Wear suitable impervious gloves. (butyl / nitrile type ) The insides of gloves must be kept scrupulously clean.
<i>Hand Protection</i>	
<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>	Various
<i>Odor</i>	Amine like.
<i>Flash Point °C</i>	Not applicable.
<i>Solubility - Water</i>	Miscible.
<i>Density (kg/m3)</i>	Approx. 1390 at 20 °C.
<i>Viscosity (at 20°C)</i>	Mobile liquid at ambient temperatures.

### 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>	carbon oxides (CO, CO2) nitrogen oxides (NO, NO2...)



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### 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>	Frequent or prolonged skin contact may cause some local short term skin irritation.
<i>Sensitization - Skin</i>	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>	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>ADR/RID : Proper shipping name</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.
<i>Safety Phrases</i>	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear eye/face protection.

### 16. OTHER INFORMATION

<i>First Issue Date</i>	04.01.2006
<i>Revisions Highlighted</i>	Future revisions will incorporate such information as is required but which is not available at this time.
<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.



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***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

General Approved Code of Practice to COSHH Regulations, HSE. EH40, Occupational Exposure Limits, HSE. Revised Annually

***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**

<b>Product Code</b>	SKFL230B
<b>Product Name</b>	Sikafloor 230 ESD Part B
<b>Product Description</b>	2 component electrostatically dissipative epoxy floor seal coat
<b>Manufacturer/Supplier</b>	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 )**

<b>Component</b>	<b>CAS/EINECS</b>	<b>Concentration</b>	<b>Classification</b>	<b>Risk Phrases</b>
Reaction product: bisphenol-A ( epichlorohydrin) No.Av.Mol.wt. < 700	25085-99-8	25.00% - 50.00%	Xi, N	R36/38, R43, R51/53
Reaction product: bisphenol-F ( epichlorohydrin), Av.Mol wt <700	9003-36-5	10.00% - 25.00%	Xi, N	R36/38, R43, R51/53
oxirane, mono[(C12-14-alkyloxy)methyl]derivs	68609-97-2	2.50% - 10.00%	Xi, N	R36/38, R43, R51/53

**3. HAZARD IDENTIFICATION**

<b>Main Hazards</b>	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**

<b>Eye Contact</b>	Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention urgently.
<b>Skin Contact</b>	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.
<b>Ingestion</b>	Do not induce vomiting. Wash out mouth with water. Obtain medical attention.
<b>Inhalation</b>	Remove from exposure. Seek medical attention if you feel unwell.



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### 5. FIRE FIGHTING MEASURES

<i>Extinguishing Media</i>	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>	Use in well ventilated area. Avoid contact with eyes, skin and clothing.
<i>Storage</i>	Protect from frost 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) 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>	White.
<i>Odor</i>	Odourless.
<i>Flash Point °C</i>	Not applicable.
<i>Solubility - Water</i>	Miscible.
<i>Density (kg/m<sup>3</sup>)</i>	Approx. 1100 at 20 °C.
<i>Viscosity (at 20°C)</i>	Mobile liquid at ambient temperatures.

### 10. STABILITY AND REACTIVITY

<i>Stability</i>	Stable under normal conditions.
<i>Conditions to avoid</i>	Extremes of temperature.
<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>	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>	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>ADR/RID : Number</i>	3082
<i>ADR/RID : Proper shipping name</i>	Environmentally hazardous substance, liquid, n.o.s. Contains Epoxy Resin
<i>ADR/RID : Class</i>	
<i>ADR/RID : Item Number</i>	11(c) Class M6
<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>IMDG : Ems Number</i>	F-A, S-F
<i>IATA : Proper shipping name</i>	Environmentally hazardous substance, liquid, n.o.s. contains Epoxy Resin
<i>IATA : Packing Group</i>	3
<i>IATA : Class</i>	9

### 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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### **Contains**

reaction product: bisphenol -(epichlorhydrin) epoxy resin (no av  
mol wt <= 700)  
oxirane, mono[(C12-14-alkyloxy)methyl]derivs

## 16. OTHER INFORMATION

### **First Issue Date**

04.01.2006

### **Revisions Highlighted**

Future revisions will incorporate such information as is required but  
which is not available at this time.

### **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**

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Provisions.

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Regulations

SI No 2839 1991 Environmental Protection (Duty of Care)  
Regulations.

SI 2005/ 894 Hazardous waste regulations 2005

General Approved Code of Practice to COSHH Regulations, HSE.

### **UK Guidance Publications**

### **Footnote**

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