

**PRODUCT AND COMPANY IDENTIFICATION**

<i>Product Code</i>	SKFL31PA
<i>Product Name</i>	Sikafloor 31 Purcem Part A
<i>Product Description</i>	3-component Polyurethane based coating
<i>Manufacturer/Supplier</i>	Sika Limited Watchmead Welwyn Garden City Hertfordshire. AL7 1BQ tel. 01707 394444 Fax. 01707 329129

**COMPOSITION/INFORMATION ON THE COMPONENTS**

<i>Hazardous Components in Product</i>	The product does not contain any substances classified as hazardous under current regulations.
<i>Chemical Characteristic</i>	Modified Polyol.

**HAZARD IDENTIFICATION**

<i>Main Hazards</i>	Not classified as hazardous.
---------------------	------------------------------

**FIRST AID MEASURES**

<i>Eye Contact</i>	Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.
<i>Skin Contact</i>	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). Obtain medical attention if blistering occurs or redness persists. Remove contaminated clothing as washing proceeds. Contaminated clothing should be washed or dry-cleaned before re-use.
<i>Ingestion</i>	Wash out mouth with water. Do not induce vomiting. Obtain medical attention.
<i>Inhalation</i>	Unlikely to occur. However provide symptomatic medical treatment if required.

**FIRE FIGHTING MEASURES**

<i>Extinguishing Media</i>	Not readily combustible. Use foam, dry chemical or carbon dioxide.
<i>Special Hazards of Product</i>	Combustion will produce smoke, carbon dioxide and carbon monoxide.
<i>Protective Equipment for Fire-Fighting</i>	Wear self contained breathing apparatus.



**SAFETY DATA SHEET**  
**Sikafloor 31 Purcem Part A**

Date of issue - 03/05/2001.

SKFL31PA

**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.

**HANDLING AND STORAGE**

<i>Handling</i>	Exposure by inhalation or skin contact should be minimised by good Industrial Hygienic practices. Avoid contact with eyes, skin and clothing.
<i>Storage</i>	Mix in a well ventilated area. Storage area should be: cool. dry. Storage temperature should be controlled to between 5 and 25 °C. Store in original containers. Keep away from foodstuffs

**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>	Air supplied breathing apparatus if exposures above the hygiene standard are likely. (See Part B of this product)
<i>Hand Protection</i>	Wear suitable impervious gloves.
<i>Eye Protection</i>	Chemical goggles.

**PHYSICAL AND CHEMICAL PROPERTIES**

<i>Physical State</i>	Liquid.
<i>Color</i>	Grey.
<i>Odor</i>	Odourless.
<i>pH</i>	Range between 9 to 10.
<i>Flash Point °C</i>	Exceeds 200.
<i>Solubility - Water</i>	Partially soluble.
<i>Density (kg/m<sup>3</sup>)</i>	Approx. 1100 at 20 °C.
<i>Viscosity ( at 20°C )</i>	Approx. 1800 at 20 °C. (measured as cP)

**STABILITY AND REACTIVITY**

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



**SAFETY DATA SHEET**  
**Sikafloor 31 Purcem Part A**

Date of issue - 03/05/2001.

SKFL31PA

**TOXICOLOGICAL INFORMATION**

*Acute toxicity* Low order of acute toxicity.  
*Eye irritation* May cause slight transient irritation.  
*Skin irritation* Frequent or prolonged skin contact may cause some local short term skin irritation.

**ECOLOGICAL INFORMATION**

*Mobility* The product is sparingly soluble in water.  
*Persistence/degradability* The product is expected to be readily biodegradable.  
*Ecotoxicity* The product is expected to be non-hazardous to aquatic species.

**DISPOSAL**

*Product Disposal* Arrange for disposal via a licensed waste contractor.  
*Container Disposal* Dispose of containers with care.  
Empty packaging should be removed by a licensed waste contractor.

**TRANSPORT INFORMATION**

*ADR/RID Substance Identification Number* Not Regulated under ADR/RID  
*IMDG : Proper shipping name* Not Regulated under IMDG  
*IATA : Proper shipping name* Not Regulated under ICAO

**REGULATORY INFORMATION**

*Risk Phrases* None assigned.  
*Safety Phrases* None assigned.

**OTHER INFORMATION**

*First Issue Date* 3.5.2001  
*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* Health and Safety at Work etc Act, 1974, and relevant Statutory Provisions.  
SI 1993/1746: Chemicals (Hazard Information and Packaging) Regulations, 1993.  
SI 1999/437: The Control of Substances Hazardous to Health Regulations  
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.



**SAFETY DATA SHEET**

**Sikafloor 31 Purcem Part A**

**Date of issue - 03/05/2001.**

**SKFL31PA**

---

**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.

**PRODUCT AND COMPANY IDENTIFICATION**

<b>Product Code</b>	SKFL31PB
<b>Product Name</b>	Sikafloor 31 Purcem Part B
<b>Product Description</b>	3-component Polyurethane based coating
<b>Manufacturer/Supplier</b>	Sika Limited Watchmead Welwyn Garden City Hertfordshire. AL7 1BQ tel. 01707 394444 Fax. 01707 329129

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

Component	Concentration	Classification	Risk Phrases
1) Diphenylmethandiisocyanate	50.00%-100.00%	Xn	R36/37/38, R20, R42/43

**HAZARD IDENTIFICATION**

<b>Main Hazards</b>	Harmful by inhalation. Irritating to eyes, respiratory system and skin. May cause sensitisation by inhalation and skin contact.
---------------------	---

**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. Immediately 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. Obtain medical attention urgently.
<b>Inhalation</b>	Remove from exposure. In cases of possible respiratory irritation or if feeling unwell in cases of prolonged exposure, obtain medical attention.

**FIRE FIGHTING MEASURES**

<b>Extinguishing Media</b>	Use foam, dry chemical or carbon dioxide.
<b>Extinguishing Media - Not suitable</b>	Do not use water jet.
<b>Special Hazards of Product</b>	Thermal decomposition or burning may release oxides of carbon, nitrogen and other toxic gases and vapours.
<b>Protective Equipment for Fire-Fighting</b>	Wear full protective clothing and self-contained breathing apparatus.



# SAFETY DATA SHEET

## Sikafloor 31 Purcem Part B

Date of issue - 03/05/2001.

SKFL31PB

### 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.

### HANDLING AND STORAGE

<i>Handling</i>	Exposure by inhalation or skin contact should be minimised by good Industrial Hygiene practices. Use in well ventilated area.
<i>Storage</i>	Avoid contact with eyes, skin and clothing. 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

### EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Occupational Exposure Limits - GB

1) Diphenylmethandiisocyanate

UK EH40: MEL 0.07mg/m<sup>3</sup> 15min STEL.  
UK EH40: MEL 0.02mg/m<sup>3</sup> 8h TWA.

#### Engineering Control Measures

Use of the basic principles of Industrial Hygiene will enable this material to be used safely.  
Exposure to this material may be controlled in a number of ways. The measures appropriate for a particular worksite depend on how the material is used and on the potential for exposure.

#### Respiratory Protection

Air supplied breathing apparatus if exposures above the hygiene standard are likely.

#### Hand Protection

Wear suitable impervious gloves.

#### Eye Protection

Chemical goggles.

### PHYSICAL AND CHEMICAL PROPERTIES

<i>Physical State</i>	Liquid.
<i>Color</i>	Brown.
<i>Odor</i>	Musty.
<i>pH</i>	Not applicable.
<i>Flash Point °C</i>	Exceeds 200.
<i>Solubility - Water</i>	Insoluble. (reacts with water to form solid)
<i>Density (kg/m<sup>3</sup>)</i>	Approx. 1240 at 20 °C.
<i>Viscosity ( at 20°C )</i>	90 at 20 °C. (measured as mPa.s)

### STABILITY AND REACTIVITY

<i>Stability</i>	Stable under normal conditions. Polymerisation will continue if exposed to: water.
<i>Conditions to avoid</i>	Extremes of temperature.
<i>Materials to avoid</i>	Alcohols. Amines. Water. Acids.
<i>Hazardous Decomposition Products</i>	Heating may produce: oxides of carbon. oxides of nitrogen. toxic fumes. acrid smoke and irritating fumes.

**TOXICOLOGICAL INFORMATION****Acute toxicity**

The product contains components that are harmful by the following route of exposure: inhalation. skin contact.

**Eye irritation**

Liquid and vapour can cause irritation on contact and at high concentrations.

**Skin irritation**

May cause sensitisation.

Frequent or prolonged skin contact may cause some local short term skin irritation.

**Sensitization - Skin**

The possibility of allergic sensitisation should be considered.

**Human Data**

The principal hazard associated with isocyanates is allergic respiratory sensitisation. This may occur after either short periods of massive exposure or chronic exposure; effects may be considerably delayed. Hypersensitive persons may develop asthmatic symptoms and should refrain from working with the product.

**ECOLOGICAL INFORMATION****Mobility**

The product is insoluble in water.

**Persistence/degradability**

The product is expected to be not readily biodegradable.

**Ecotoxicity**

The product may be harmful to aquatic organisms.

**DISPOSAL****Product Disposal**

Dispose of as Special Waste.

Arrange for disposal via a licensed waste contractor.

**Container Disposal**

Dispose of containers with care.

Empty containers may contain hazardous residues.

Empty packaging should be removed by a licensed waste contractor.

**TRANSPORT INFORMATION****ADR/RID Substance Identification Number**

Not classified for Road/Rail Transport.

**IMDG : Proper shipping name**

Not classified for Sea Transport

**IATA : Proper shipping name**

Not classified for Air Transport.

**REGULATORY INFORMATION****Label Requirements**

Harmful

**Risk Phrases**

Harmful by inhalation.

Irritating to eyes, respiratory system and skin.

May cause sensitisation by inhalation and skin contact.

**Safety Phrases**

Keep locked up and out of reach of children.

Do not breathe gas/fumes/vapour/spray.

Wear suitable protective clothing and gloves.

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Use only in well ventilated areas.

Contains isocyanates. See information supplied by the manufacturer.



**SAFETY DATA SHEET**  
**Sikafloor 31 Purcem Part B**

Date of issue - 03/05/2001.

SKFL31PB

**OTHER INFORMATION**

***First Issue Date***

3.5.2001

***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***

Health and Safety at Work etc Act, 1974, and relevant Statutory Provisions.  
SI 1993/1746: Chemicals (Hazard Information and Packaging) Regulations, 1993.  
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.  
HS(G) 53, Respiratory Protective Equipment - a Practical Guide for Users, 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.



**PRODUCT AND COMPANY IDENTIFICATION**

<i>Product Code</i>	SKFL31PC
<i>Product Name</i>	Sikafloor 31 Purcem Part C
<i>Product Description</i>	3-component Polyurethane based coating
<i>Manufacturer/Supplier</i>	Sika Limited Watchmead Welwyn Garden City Hertfordshire. AL7 1BQ tel. 01707 394444 Fax. 01707 329129

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

<b>Component</b>	<b>Concentration</b>	<b>Classification</b>	<b>Risk Phrases</b>
1) Portland Cement	50.00% - 100.00%	Xi	R37/38, R41

**HAZARD IDENTIFICATION**

<i>Main Hazards</i>	Irritating to respiratory system and skin. Risk of serious damage to eyes.  Respirable dusts could if inhaled over a prolonged period constitute a health hazard.
---------------------	--

**FIRST AID MEASURES**

<i>Eye Contact</i>	Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention urgently.
<i>Skin Contact</i>	Wash skin with soap and water. Contaminated clothing should be washed or dry-cleaned before re-use.
<i>Ingestion</i>	Wash out mouth with water. Do not induce vomiting. Obtain medical attention.
<i>Inhalation</i>	Remove from exposure.

**FIRE FIGHTING MEASURES**

<i>Extinguishing Media</i>	Not combustible.
<i>Special Hazards of Product</i>	None.

**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 or preferably vacuum up and collect in suitable containers for recovery or disposal.



# SAFETY DATA SHEET

## Sikafloor 31 Purcem Part C

Date of issue - 03/05/2001.

SKFL31PC

### HANDLING AND STORAGE

#### Handling

Avoid inhaling dust. Mix in a well ventilated area.

#### Storage

Avoid contact with eyes, skin and clothing.

Storage area should be: dry.

Store in the original container securely closed .

### EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Occupational Exposure Limits - GB

1) Portland Cement

UK EH40: OES 10mg/m<sup>3</sup> 8h TWA. (as respirable dust)

UK EH40: OES 4mg/m<sup>3</sup> 8h TWA. (as respirable dust)

#### Engineering Control Measures

Every effort should be made to prevent airborne dusts arising during mixing operations.

Exposure should be kept as low as reasonably practicable by the application of hygiene principles and appropriate techniques.

#### Respiratory Protection

Good ventilation should be provided to keep airborne dust levels below exposure limits.

If limits are exceeded use an approved dust mask.

#### Hand Protection

Wear suitable impervious gloves.

#### Eye Protection

Wear safety glasses if risks of accidental contamination are possible during application.

### PHYSICAL AND CHEMICAL PROPERTIES

#### Physical State

Powder.

#### Color

White.

#### Odor

None.

#### pH

Strongly alkaline.

#### Flash Point °C

Not applicable.

#### Solubility - Water

Insoluble.

#### Density (kg/m<sup>3</sup>)

Approx. 1.4. (loose bulk)

### STABILITY AND REACTIVITY

#### Stability

Stable under normal conditions.

#### Conditions to avoid

None known.

#### Materials to avoid

Acids.

#### Hazardous Decomposition Products

None known.

### TOXICOLOGICAL INFORMATION

#### Acute toxicity

Low order of acute toxicity.

#### Eye irritation

The product should be considered as a severe eye irritant.

#### Skin irritation

Frequent or prolonged skin contact may cause some local short term skin irritation.



**SAFETY DATA SHEET**  
**Sikafloor 31 Purcem Part C**

Date of issue - 03/05/2001.

SKFL31PC

**ECOLOGICAL INFORMATION**

**Mobility**

The product is insoluble in water.

**Persistence/degradability**

Inorganic basis, therefore non biodegradable.

**DISPOSAL**

**Product Disposal**

Dispose of as Special Waste.  
Arrange for disposal via a licensed waste contractor.

**Container Disposal**

Dispose of containers with care.  
Empty containers may contain hazardous residues.  
Empty packaging should be removed by a licensed waste contractor.

**TRANSPORT INFORMATION**

**ADR/RID Substance Identification Number**

Not Regulated under ADR/RID

**IMDG : Proper shipping name**

Not Regulated under IMDG

**IATA : Proper shipping name**

Not Regulated under ICAO

**REGULATORY INFORMATION**

**Label Requirements**

Irritant



**Risk Phrases**

Irritating to respiratory system and skin.  
Risk of serious damage to eyes.

**Safety Phrases**

Keep out of the reach of children.  
After contact with skin, wash immediately with plenty of soap and water  
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
Wear suitable protective clothing, gloves and eye/face protection.

**OTHER INFORMATION**

**First Issue Date**

3.5.2001

**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**

Health and Safety at Work etc Act, 1974, and relevant Statutory Provisions.  
SI 1993/1746: Chemicals (Hazard Information and Packaging) Regulations, 1993.  
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.



## SAFETY DATA SHEET

### Sikafloor 31 Purcem Part C

Date of issue - 03/05/2001.

SKFL31PC

---

#### *UK Guidance Publications*

EH40, Occupational Exposure Limits, HSE. Revised Annually.  
General Approved Code of Practice to COSHH Regulations, HSE.  
EH44, Dust in the Workplace: General Principles of Protection, 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.