

SAFETY DATA SHEET  
according to Regulation (EC) No. 1907/2006  
**Sikafloor®-81 EpoCem (C)**



Revision Date 02.06.2016

Version 3.0

Print Date 16.12.2016

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifier**

Trade name : Sikafloor®-81 EpoCem (C)

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Product use : Special system

**1.3 Details of the supplier of the safety data sheet**

Company : Sika Limited  
Watchmead  
Welwyn Garden City  
Hertfordshire AL7 1BQ  
United Kingdom

Telephone : +44 (0)1707 394444

**1.4 Emergency telephone number**

Emergency telephone number : +44 (0)1707 363899 (available during office hours)

---

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

Type of product : Mixture

**Classification (REGULATION (EC) No 1272/2008)**

|  |   |
|--|---|
| Skin irritation, Category 2  | H315: Causes skin irritation.           |
| Serious eye damage, Category 1   | H318: Causes serious eye damage.        |
| Specific target organ toxicity - single exposure, Category 3, Respiratory system | H335: May cause respiratory irritation. |

**2.2 Label elements**

**Labelling (REGULATION (EC) No 1272/2008)**

Hazard pictograms : 

Signal word : Danger

Hazard statements : H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H335 May cause respiratory irritation.

**SAFETY DATA SHEET**  
 according to Regulation (EC) No. 1907/2006  
**Sikafloor®-81 EpoCem (C)**



Revision Date 02.06.2016

Version 3.0

Print Date 16.12.2016

Precautionary statements : **Prevention:**  
 P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
 P280 Wear protective gloves/ eye protection/ face protection.

**Response:**  
 P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.  
 P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

**Storage:**  
 P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

**Disposal:**  
 P501 Dispose of contents/container in accordance with local regulation.

Hazardous components which must be listed on the label:

- 266-043-4 Cement, portland, chemicals

**2.3 Other hazards**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**SECTION 3: Composition/information on ingredients**

**3.2 Mixtures**

**Hazardous components**

| Chemical name<br>CAS-No.<br>EC-No.<br>Registration number | Classification<br>(REGULATION (EC)<br>No 1272/2008)     | Concentration<br>[%] |
|---|---|----------------------|
| Cement, portland, chemicals<br>65997-15-1<br>266-043-4    | Skin Irrit.2; H315<br>Eye Dam.1; H318<br>STOT SE3; H335 | >= 25 - < 50         |
| Substances with a workplace exposure limit :              |   |                      |
| Quartz (SiO2)<br>14808-60-7<br>238-878-4                  |   | >= 50 - <= 100       |

For the full text of the H-Statements mentioned in this Section, see Section 16.



---

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- General advice : Move out of dangerous area.  
Consult a physician.  
Show this safety data sheet to the doctor in attendance.
- If inhaled : Move to fresh air.  
Consult a physician after significant exposure.
- In case of skin contact : Take off contaminated clothing and shoes immediately.  
Wash off with soap and plenty of water.  
If symptoms persist, call a physician.
- In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.  
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
Continue rinsing eyes during transport to hospital.  
Remove contact lenses.  
Keep eye wide open while rinsing.
- If swallowed : Do not induce vomiting without medical advice.  
Rinse mouth with water.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.

### 4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : Cough  
Respiratory disorder  
Excessive lachrymation  
Erythema  
Dermatitis  
See Section 11 for more detailed information on health effects and symptoms.
- Risks : irritant effects  
  
Causes skin irritation.  
Causes serious eye damage.  
May cause respiratory irritation.

### 4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : Treat symptomatically.

---

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

SAFETY DATA SHEET  
according to Regulation (EC) No. 1907/2006  
**Sikafloor®-81 EpoCem (C)**



Revision Date 02.06.2016

Version 3.0

Print Date 16.12.2016

---

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### 5.2 Special hazards arising from the substance or mixture

Hazardous combustion products : No hazardous combustion products are known

### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Standard procedure for chemical fires.

---

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.  
Avoid breathing dust.  
Deny access to unprotected persons.

### 6.2 Environmental precautions

Environmental precautions : Try to prevent the material from entering drains or water courses.

### 6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Pick up and arrange disposal without creating dust.  
Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

For personal protection see section 8.

---

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Do not breathe vapours/dust. Avoid exceeding the given occupational exposure limits (see section 8). Do not get in eyes, on skin, or on clothing. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Follow standard hygiene measures when handling chemical products

Advice on protection against fire and explosion : Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed.

---

SAFETY DATA SHEET  
according to Regulation (EC) No. 1907/2006  
**Sikafloor®-81 EpoCem (C)**



Revision Date 02.06.2016

Version 3.0

Print Date 16.12.2016

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

**7.2 Conditions for safe storage, including any incompatibilities**

Requirements for storage areas and containers : Store in original container. Keep in a well-ventilated place. Observe label precautions. Store in accordance with local regulations.

Other data : Keep in a dry place. No decomposition if stored and applied as directed.

**7.3 Specific end use(s)**

Specific use(s) : No data available

---

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

**Components with workplace control parameters**

| Components                  | CAS-No.    | Value | Control parameters *  | Basis * |
|-----------------------------|------------|-------|-----------------------|---------|
| Quartz (SiO <sub>2</sub> )  | 14808-60-7 | TWA   | 0,1 mg/m <sup>3</sup> | GB EH40 |
| Cement, portland, chemicals | 65997-15-1 | TWA   | 10 mg/m <sup>3</sup>  | GB EH40 |
|                             |            | TWA   | 4 mg/m <sup>3</sup>   | GB EH40 |

**8.2 Exposure controls**

**Personal protective equipment**

Eye protection : Safety glasses with side-shields  
Eye wash bottle with pure water

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manufacturer specifications.

Recommended: Butyl rubber/nitrile rubber gloves.  
Contaminated gloves should be removed.

Skin and body protection : Dust impervious protective suit  
Protective clothing (e.g. Safety shoes acc. to EN ISO 20345, long-sleeved working clothing, long trousers). Rubber aprons



and protective boots are additionally recommended for mixing and stirring work.

**Respiratory protection** : Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.  
particulate filter P  
P1: Inert material; P2, P3: hazardous substances  
Ensure adequate ventilation. This can be achieved by local exhaust extraction or by general ventilation. (EN 689 - Methods for determining inhalation exposure). This applies in particular to the mixing / stirring area. In case this is not sufficient to keep the concentrations under the occupational exposure limits then respiration protection measures must be used.

**Environmental exposure controls**

**General advice** : Try to prevent the material from entering drains or water courses.

---

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

Appearance : powder  
Colour : grey  
Odour : odourless  
Odour Threshold : No data available  
Flash point : Not applicable  
Autoignition temperature : No data available  
Lower explosion limit (Vol-%) : No data available  
Upper explosion limit (Vol-%) : No data available  
Flammability : No data available  
Oxidizing properties : No data available  
pH : > 11  
at 500,00 g/l  
Melting point/range / Freezing point : No data available

SAFETY DATA SHEET  
according to Regulation (EC) No. 1907/2006  
**Sikafloor®-81 EpoCem (C)**



Revision Date 02.06.2016

Version 3.0

Print Date 16.12.2016

---

|  |   |                            |
|--|---|----------------------------|
| Boiling point/boiling range            | : | No data available          |
| Vapour pressure                        | : | No data available          |
| Density                                | : | No data available          |
| Bulk density                           | : | ca.1.340 kg/m <sup>3</sup> |
| Water solubility                       | : | insoluble                  |
| Partition coefficient: n-octanol/water | : | No data available          |
| Viscosity, dynamic                     | : | No data available          |
| Viscosity, kinematic                   | : | No data available          |
| Relative vapour density                | : | No data available          |
| Evaporation rate                       | : | No data available          |

## 9.2 Other information

No data available

---

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

The product is chemically stable.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions.

### 10.4 Conditions to avoid

Conditions to avoid : No data available

### 10.5 Incompatible materials

Materials to avoid : No data available

### 10.6 Hazardous decomposition products

Hazardous decomposition products : No decomposition if stored and applied as directed.



## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

**Acute toxicity**

Not classified based on available information.#

**Skin corrosion/irritation**

Causes skin irritation.#

**Serious eye damage/eye irritation**

Causes serious eye damage.#

**Respiratory or skin sensitisation**

Skin sensitisation: Not classified based on available information.#

Respiratory sensitisation: Not classified based on available information.#

**Germ cell mutagenicity**

Not classified based on available information.

**Carcinogenicity**

Not classified based on available information.#

**Reproductive toxicity**

Not classified based on available information.

**STOT - single exposure**

May cause respiratory irritation.#

**STOT - repeated exposure**

Not classified based on available information.#

**Aspiration toxicity**

Not classified based on available information.#

---

## SECTION 12: Ecological information

### 12.1 Toxicity

No data available

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

**Product:**

---



**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006  
**Sikafloor®-81 EpoCem (C)**



Revision Date 02.06.2016

Version 3.0

Print Date 16.12.2016

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

#### 12.6 Other adverse effects

**Product:**

Additional ecological information : There is no data available for this product.

---

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

Product : The generation of waste should be avoided or minimized wherever possible.  
Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way.  
Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.  
Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.  
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

European Waste Catalogue : 16 03 03\* inorganic wastes containing dangerous substances

Contaminated packaging : 15 01 10\* packaging containing residues of or contaminated by dangerous substances

---

### SECTION 14: Transport information

**ADR**

Not dangerous goods

**IATA**

Not dangerous goods

**IMDG**

Not dangerous goods

#### 14.6 Special precautions for user

No data available

#### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable



---

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Prohibition/Restriction

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : None of the components are listed (=> 0.1 %).

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

REACH Information: All substances contained in our Products are  
- preregistered or registered by our upstream suppliers, and/or  
- preregistered or registered by us, and/or  
- excluded from the regulation, and/or  
- exempted from the registration.

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.  
Not applicable

VOC-CH (VOCV) : no VOC duties

If other regulatory information applies that is not already provided elsewhere in the Safety Data Sheet, then it is described in this subsection.

Health, safety and environmental regulation/legislation specific for the substance or mixture: : The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002  
Control of Substances Hazardous to Health Regulations 2002  
The Management of Health and Safety at Work Regulations 1999  
Health and Safety at Work Act 1974  
Environmental Protection Act 1990 & Subsidiary Regulations

Other regulations : This product contains cement. Wet cement or mortar may cause alkali burns if in direct and/or prolonged contact with the skin. Wear protective clothing at all times when working with cement based products.

### 15.2 Chemical safety assessment

This product contains substances for which Chemical Safety Assessments are still required.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## Sikafloor®-81 EpoCem (C)



Revision Date 02.06.2016

Version 3.0

Print Date 16.12.2016

### SECTION 16: Other information

#### Full text of H-Statements

|      |                                   |
|------|-----------------------------------|
| H315 | Causes skin irritation.           |
| H318 | Causes serious eye damage.        |
| H335 | May cause respiratory irritation. |

#### Full text of other abbreviations

|             |  |
|-------------|--|
| Eye Dam.    | Serious eye damage   |
| Skin Irrit. | Skin irritation  |
| STOT SE     | Specific target organ toxicity - single exposure   |
| ADR         | Accord européen relatif au transport international des marchandises Dangereuses par Route  |
| CAS         | Chemical Abstracts Service   |
| DNEL        | Derived no-effect level  |
| EC50        | Half maximal effective concentration   |
| GHS         | Globally Harmonized System   |
| IATA        | International Air Transport Association  |
| IMDG        | International Maritime Code for Dangerous Goods  |
| LD50        | Median lethal dose (the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals)  |
| LC50        | Median lethal concentration (concentrations of the chemical in air that kills 50% of the test animals during the observation period)   |
| MARPOL      | International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978  |
| OEL         | Occupational Exposure Limit  |
| PBT         | Persistent, bioaccumulative and toxic  |
| PNEC        | Predicted no effect concentration  |
| REACH       | Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency |
| SVHC        | Substances of Very High Concern  |
| vPvB        | Very persistent and very bioaccumulative   |

The information contained in this Safety Data Sheet 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 product data sheet prior to any use and processing.

|| Changes as compared to previous version !