

# Safety Data Sheet

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II - United Kingdom (UK)



## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Identification of the substance/preparation

Product name or Trade name :

Sika-1

Use of the substance/preparation : Chemical product for construction and industry

### Company/undertaking identification

Manufacturer/Distributor : Sika Limited  
Watchmead Welwyn Garden City  
Hertfordshire. AL7 1BQ  
United Kingdom

Telephone no. : 01707 394444

Fax no. : 01707 329129

e-mail address of person responsible for this SDS : EHS@uk.sika.com

Emergency telephone number : -

## 2. HAZARDS IDENTIFICATION

The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

See section 11 for more detailed information on health effects and symptoms.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical family/Characteristics : Aqueous alkaline solution

## 4. FIRST AID MEASURES

### First-aid measures

Inhalation : Obtain medical attention if symptoms occur.

Ingestion : Do not induce vomiting unless directed to do so by medical personnel. Maintain an open airway. Seek immediate medical attention.

Skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Obtain medical attention if symptoms occur.

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Notes to physician : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

See section 11 for more detailed information on health effects and symptoms.

## 5. FIRE-FIGHTING MEASURES

### Extinguishing media

- Suitable** : Use an extinguishing agent suitable for the surrounding fire.
- Not suitable** : None known.
- Special exposure hazards** : In a fire or if heated, a pressure increase will occur and the container may burst.
- Hazardous combustion products** : Decomposition products may include the following materials:  
nitrogen oxides  
metal oxide/oxides
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment (see section 8).
- Environmental precautions** : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Large spill** : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13).
- Small spill** : Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container.

## 7. HANDLING AND STORAGE

- Handling** : Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use.
- Storage** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

### Packaging materials

- Recommended** : Use original container.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure limit values

<u>Ingredient name</u>	<u>Occupational exposure limits</u>
No exposure limit value known.	

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

### Exposure controls

**Occupational exposure controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

**Respiratory protection** : No special measures required.

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Recommended: Butyl rubber/nitrile rubber gloves.

**Eye protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.

**Skin protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended: Use barrier skin cream.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General information

#### Appearance

**Form** : Liquid.

**Colour** : Yellow.

**Odour** : Odourless.

#### Important health, safety and environmental information

**pH** : 9.5

**Flash point** : Closed cup: Not applicable.

**Density** : ~1.05 g/cm<sup>3</sup> [20°C (68°F)]

**Solubility** : Soluble in the following materials: water

## 10. STABILITY AND REACTIVITY

**Stability** : The product is stable.

**Conditions to avoid** : No specific data.

**Materials to avoid** : No specific data.

**Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11. TOXICOLOGICAL INFORMATION

### Potential acute health effects

- Inhalation** : May cause irritation.  
**Ingestion** : Can cause gastrointestinal disturbances.  
**Skin contact** : May cause skin irritation.  
**Eye contact** : May cause eye irritation.  
**Chronic effects** : No known significant effects or critical hazards.

## 12. ECOLOGICAL INFORMATION

- Environmental effects** : Avoid contact of spilt material and runoff with soil and surface waterways. Do not empty into drains; dispose of this material and its container in a safe way.

## 13. DISPOSAL CONSIDERATIONS

- Methods of disposal** : The generation of waste should be avoided or minimised 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 spilt material and runoff and contact with soil, waterways, drains and sewers.
- Packaging** : Completely emptied packaging or practically empty packaging containing dried/cured residues, once relieved of all pressure can be disposed of as non-hazardous waste.
- Packaging may still contain hazardous residues and disposal should undertaken by a licensed waste contractor.
- Any disposal practice must be in compliance with local and national laws and regulations.

## 14. TRANSPORT INFORMATION

### International transport regulations

#### ADR

Not regulated.

#### IMDG

Not regulated.

**Marine pollutant** : No.

#### IATA

Not regulated.

## 15. REGULATORY INFORMATION

### EU regulations

Classification and labeling have been determined according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and take into account the intended product use.

**Classification** : This product is not classified according to EU legislation.

**VOC content (EU)** : VOC (w/w): 0%

### National regulations

## 15. REGULATORY INFORMATION

- Regulatory information** : Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 (CHIP 3)  
Control of Substances Hazardous to Health Regulations 2002 (COSHH) (as amended)  
Health & Safety at Work Act 1974  
The Environmental Protection (Duty of Care) Regulations 1991  
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007
- Guidance Publications** : Approved Code of Practice - Management of Health and Safety at Work, HSE  
General Approved Code of Practice to COSHH Regulations, HSE.

## 16. OTHER INFORMATION

### History

- Date of printing** : 21.11.2008.  
**Date of issue** : 21.11.2008.  
**Date of previous issue** : No previous validation.

Indicates information that has changed from previously issued version.

### Notice to reader

*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 Technical Data Sheet prior to any use and processing.*

**1. PRODUCT AND COMPANY IDENTIFICATION**

<b>Product Code</b>	VP137
<b>Product Name</b>	Sika Floor Screed Mortar
<b>Product Description</b>	Cement/ silica aggregate blend for use with Sika 1
<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>
Portland Cement	65997-15-1	10.00% - 25.00%	Xi	R41
Silica flour	14808-60-7	1.00% - 2.50%	Xn	R48/20
Pulverised fuel ash	68131-74-8	2.50% - 10.00%	-	-

**3. HAZARD IDENTIFICATION**

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

Dry cement powders in normal use have no harmful effect on the dry skin. However, when cement is mixed with water or becomes damp, alkalies are released which can be harmful. Contact with wet cement or wet mortar may cause irritation, dermatitis or burns.

**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>	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.
<b>Ingestion</b>	Do not induce vomiting. Wash out mouth with water. Obtain medical attention.
<b>Inhalation</b>	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.



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## Sika Floor Screed Mortar

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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>	Avoid creating a dust. Sweep up into suitable containers for recovery or disposal.

### 7. HANDLING AND STORAGE

<i>Handling</i>	Avoid inhaling dust. Exposure by inhalation or skin contact should be minimised by good Industrial Hygiene practices. Mix in a well ventilated area.
<i>Storage</i>	Storage area should be: cool. dry.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Occupational Exposure Limits - GB

Portland Cement	UK EH40: WEL 10mg/m <sup>3</sup> 8h TWA. Dust, total inhalable: UK EH40: WEL 4mg/m <sup>3</sup> 8h TWA. Dust, respirable:
Silica flour	UK EH40: WEL 0.3mg/m <sup>3</sup> 8hr TWA, Silica crystalline dust, respirable
Pulverised fuel ash	UK EH40 WEL: 10 mg/m <sup>3</sup> 8 hr. TWA total inhalable dust UK EH40 WEL: 4 mg/m <sup>3</sup> 8 hr. TWA respirable dust

<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. If limits are exceeded use an approved dust mask.
<i>Respiratory Protection</i>	
<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/m<sup>3</sup>)</i>	Approx. 1.4-1.6. (loose)



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### 10. STABILITY AND REACTIVITY

<i>Stability</i>	Stable under normal conditions.
<i>Conditions to avoid</i>	Exposure to water or moisture.
<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>	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>	The product is sparingly soluble in water.
<i>Persistence/degradability</i>	Inorganic basis, therefore non biodegradable.
<i>Ecotoxicity</i>	The product may be harmful to aquatic organisms.

### 13. DISPOSAL

<i>Product Disposal</i>	Hazardous waste. As an inert material it may be disposed of via an approved solid waste disposal facility.
<i>Container Disposal</i>	Empty packaging may be disposed along with normal builders waste via an authorised 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.





**SAFETY DATA SHEET**  
**Sika Floor Screed Mortar**

Date of issue - 19/09/2005.

VP137

**16. OTHER INFORMATION**

<i>First Issue Date</i>	02.12.2004
<i>Revisions Highlighted</i>	Trade Name
<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. 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.
<i>UK Guidance Publications</i>	SI 2005/ 894 Hazardous waste regulations 2005 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. CONIAC Health Hazard Information Sheet No.26 (Cement)
<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.



## Sika-1 Spritz/ Render Mortar and Finish Coat

Date of issue - 19/01/2004.

SK1SM

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Code** SK1SM  
**Product Name** Sika-1 Spritz/ Render Mortar and Finish Coat  
**Product Description** Cement/ silica aggregate blends for use with Sika 1  
**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	25.00% - 50.00%	Xi	R41
Silica flour	14808-60-7	1.00% - 2.50%	Xn	R48/20

**3. HAZARD IDENTIFICATION**

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

Dry cement powders in normal use have no harmful effect on the dry skin. However when cement is mixed with water or becomes damp, alkalis are released which can be harmful. Contact with wet cement or wet mortar may cause irritation, dermatitis or burns.

**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** 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. 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**

**Extinguishing Media** Not combustible.  
Select extinguishing agent appropriate to other materials involved.

**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>	Avoid inhaling dust. Exposure by inhalation or skin contact should be minimised by good Industrial Hygiene practices. Mix in a well ventilated area.
<i>Storage</i>	Storage area should be: cool. dry.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Occupational Exposure Limits - GB**

Portland Cement	UK EH40: OES 10mg/m <sup>3</sup> 8h TWA. Dust, total inhalable: UK EH40: OES 5mg/m <sup>3</sup> 8h TWA. Dust, respirable:
Silica flour	UK EH40: MEL 0.3mg/m <sup>3</sup> 8hr TWA , Silica crystalline 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. If limits are exceeded use an approved dust mask.
<i>Respiratory Protection</i>	
<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/m<sup>3</sup>)</i>	Approx. 1.4-1.6. (loose)

**10. STABILITY AND REACTIVITY**

<i>Stability</i>	Stable under normal conditions.
<i>Conditions to avoid</i>	Exposure to water or moisture.
<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>	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>	The product is sparingly soluble in water.
<i>Persistence/degradability</i>	Inorganic basis, therefore non biodegradable.
<i>Ecotoxicity</i>	The product may be harmful to aquatic organisms.

**13. DISPOSAL**

<i>Product Disposal</i>	Dispose of as Special Waste. As an inert material it may be disposed of via an approved solid waste disposal facility.
<i>Container Disposal</i>	Empty packaging may be disposed along with normal builders waste via an authorised waste contractor.

**14. TRANSPORT INFORMATION**

<i>ADR/RID : Number</i>	Not regulated for Road/Rail Transport
<i>IMDG : Proper shipping name</i>	Not regulated for Sea Transport
<i>IATA : Proper shipping name</i>	Not Regulated for Air Transport

**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>	23.08.2000
<i>Revisions Highlighted</i>	Composition / information on ingredients Exposure controls/personal protection
<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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### Sika-1 Spritz/ Render Mortar and Finish Coat

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SK1SM

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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.

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.

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.