

**1. PRODUCT AND COMPANY IDENTIFICATION**

Product Code	SIKC13
Product Name	Sikacem 133 Gunite
Product Description	Single component polymer modified cementitious repair mortar for concrete.
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
Limestone	1317-65-3	50.00% - 100.00%	-	-
Silica,amorphous	7631-86-9	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

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.

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****Personal Precautions**

Wear appropriate protective clothing.

Spillages

Avoid creating a dust.

Sweep up into suitable containers for recovery or disposal.

7. HANDLING AND STORAGE**Handling**

Avoid inhaling dust.

Exposure by inhalation or skin contact should be minimised by good Industrial Hygiene practices.

Storage

Use in well ventilated area.

Storage area should be: cool. dry.

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

Portland Cement	UK EH40: OES 10 mg/m ³ 8h TWA. Dust, total inhalable: UK EH40: OES 4 mg/m ³ 8h TWA. Dust, respirable:
Limestone	UK EH40: OES 10 mg/m ³ 8hr TWA , total inhalable dust UK EH40: OES 4 mg/m ³ 8hr TWA , respirable dust
Silica, amorphous	UK EH40: OES 6 mg/m ³ 8h TWA. Dust, total inhalable: UK EH40: OES 2.4 mg/m ³ 8h TWA. Dust, respirable:

Engineering Control Measures

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.

Respiratory Protection

If limits are exceeded use an approved dust mask.

Hand Protection

Wear suitable impervious gloves.

Eye Protection

Dust tight goggles.

Body Protection

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**Physical State**

Powder.

Color

Light Grey.

Odor

None.

pH

Approx. 12 in water.

Solubility - Water

Partially soluble.

Density (kg/m³)

Approx. 1600 (loose)

10. STABILITY AND REACTIVITY**Stability**

Stable under normal conditions.

Materials to avoid

Strong mineral acids.

Hazardous Decomposition Products

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>	Cement and/or water/cement mixtures may cause irritant contact dermatitis, allergic dermatitis, and/or burns.

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 alkalinity of this product will have a local effect on ecosystems sensitive to changes in pH

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 : 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>	13.09.1995
<i>Revisions Highlighted</i>	Composition / information on ingredients Exposure controls/personal protection Regulatory Information Disposal.
<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.



SAFETY DATA SHEET

Sikacem 133 Gunite

Date of issue - 30/01/2004.

SIKC13

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 No. 972/1996: The Special Waste Regulations 1996

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.

EH26, Occupational Skin Diseases: Health and Safety Precautions, 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.