

**PRODUCT AND COMPANY IDENTIFICATION**

Product Code	SIKPP1
Product Name	Sikacrete Powerpack
Product Description	Powder additive for high performance concretes based on silica fume.
Manufacturer/Supplier	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) Silica,amorphous	50.00%-100.00%		

HAZARD IDENTIFICATION

Main Hazards	Not classified as hazardous.
Health Effects - Inhalation	Exposure to dust at high concentrations may have the following effects:- irritation of nose, throat and respiratory tract. Respirable silica dusts if inhaled over a prolonged period could constitute a health hazard.(see Sect.8)

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.
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.

FIRE FIGHTING MEASURES

Extinguishing Media	Not combustible. Select extinguishing agent appropriate to other materials involved.
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ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear appropriate protective clothing.
Spillages	Avoid creating a dust. Sweep up into suitable containers for recovery or disposal.



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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.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits - GB

1) Silica,amorphous

UK EH40: OES 6mg/m³ 8h TWA. Dust, total inhalable:
UK EH40: OES 3mg/m³ 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.

PHYSICAL AND CHEMICAL PROPERTIES

Physical State

Powder.

Color

Grey.

Odor

Odourless.

pH

Not applicable.

Flash Point °C

Not applicable.

Explosion Limits (%)

Not determined.

Solubility - Water

Insoluble.

Density (kg/m³)

Approx. 0.65. (loose)

STABILITY AND REACTIVITY

Stability

Stable under normal conditions.

Conditions to avoid

Exposure to water or moisture.

Materials to avoid

Strong mineral acids.

Hazardous Decomposition Products

Prolonged heating above 500°C may convert the silica fume to the crystalline silica phase.

TOXICOLOGICAL INFORMATION

Acute toxicity

Low order of acute toxicity.

Eye irritation

Abrasion will likely cause transient irritation.

Skin irritation

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



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ECOLOGICAL INFORMATION

<i>Mobility</i>	The product is insoluble in water.
<i>Persistence/degradability</i>	The product is expected to be not readily biodegradable.
<i>Ecotoxicity</i>	The product is expected to be non-hazardous to aquatic species.

DISPOSAL

<i>Product Disposal</i>	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.

TRANSPORT INFORMATION

<i>ADR/RID Substance Identification Number</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

REGULATORY INFORMATION

<i>Risk Phrases</i>	None assigned.
<i>Safety Phrases</i>	None assigned. However the following are provided as advisory: Do not breathe dust. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of: soap and water.

OTHER INFORMATION

<i>First Issue Date</i>	04.10.1995
<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 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.
<i>UK Guidance Publications</i>	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.



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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.

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