

**PRODUCT AND COMPANY IDENTIFICATION**

Product Code SIGPW
Product Name Sigunite Powder
Product Description Powder accelerator for sprayed concrete.
Manufacturer/Supplier Sika Limited
Watchmead
Welwyn Garden City
Hertfordshire.
AL7 1BQ
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COMPOSITION/INFORMATION ON THE COMPONENTS**Preparation - Hazardous ingredients (Europe)**

Component	Concentration	Classification	Risk Phrases
1) Calcium hydroxide	10.00%-25.00%	Xi	R38, R41
2) Sodium carbonate	25.00%-50.00%	Xi	R36
3) Sodium aluminate	10.00%-25.00%	Xi	R41
4) Calcium carbonate	25.00%-50.00%		

HAZARD IDENTIFICATION

Main Hazards Irritating to skin.
Risk of serious damage to eyes.

Health Effects - Eyes Dust will cause severe conjunctival irritation and corneal damage.

Health Effects - Skin Material will cause severe irritation and may cause chemical burns.

Health Effects - Inhalation Exposure to dust at high concentrations may have the following effects:-
severe irritation of nose, throat and respiratory tract.

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 Immediately wash skin thoroughly with soap and water.
Remove contaminated clothing as washing proceeds.
Obtain medical attention if blistering occurs or redness persists.

Ingestion Wash out mouth with water. Do not induce vomiting.
Obtain medical attention.

Inhalation Remove from exposure. Keep warm and at rest.
Obtain medical attention.

FIRE FIGHTING MEASURES

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

Special Hazards of Product None.

**ACCIDENTAL RELEASE MEASURES****Personal Precautions**

Wear appropriate protective clothing.

**Environmental Precautions and
Clean-up Methods
Spillages**

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

Avoid creating a dust.
Sweep or preferably vacuum up and collect in suitable containers for recovery or disposal.

HANDLING AND STORAGE**Handling**

Exposure by inhalation or skin contact should be minimised by good Industrial Hygiene practices.
Avoid contact with eyes, skin and clothing.
Avoid inhaling dust.

Storage

Use in well ventilated area.
Storage area should be: cool. dry. away from incompatible materials.
Store in original containers.

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

- 1) Calcium hydroxide
- 2) Sodium carbonate

UK EH40: OES 5mg/m³ 8h TWA.
None assigned.
However the following limits are recommended:

- 3) Calcium carbonate

UK EH40: OES 5mg/m³ 8h TWA. (as respirable dust)
UK EH40: OES 10mg/m³ 8h TWA. (as total dust)
UK EH40: OES 10mg/m³ 8h TWA. Dust, total inhalable:
UK EH40: OES 5mg/m³ 8h TWA. Dust, respirable:

Engineering Control Measures

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

Respiratory Protection

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

Chemical goggles must be worn during all handling operations.

Body Protection

Wear: dust-proof overall with hood. rubber boots.

PHYSICAL AND CHEMICAL PROPERTIES**Physical State**

Powder.

Color

White.

Odor

None.

pH

Strongly alkaline.
Above 12 at 5% w/w in water.

Flash Point °C

Not applicable.

Solubility - Water

Partially soluble.

Density (kg/m³)

Approx. 0.65. (loose)

Autoignition Temperature °C

Not determined.

**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.

TOXICOLOGICAL INFORMATION

<i>Acute toxicity</i>	Low order of acute toxicity.
<i>Eye irritation</i>	This material is corrosive to the eye.
<i>Skin irritation</i>	Frequent or prolonged skin contact may cause some local short term skin irritation.

ECOLOGICAL INFORMATION

<i>Mobility</i>	Partially soluble in water.
<i>Persistence/degradability</i>	Inorganic basis, therefore non biodegradable.
<i>Ecotoxicity</i>	The product may be harmful to aquatic organisms.


DISPOSAL

<i>Product Disposal</i>	Dispose of as Special Waste. Arrange for disposal via a licensed waste contractor.
<i>Container Disposal</i>	Dispose of containers with care. Empty containers may contain hazardous residues. Empty packaging should be removed by a licensed waste contractor.

TRANSPORT INFORMATION

<i>ADR/RID Substance Identification Number</i>	Not Classified for Road/Rail Transport
<i>IMDG : Proper shipping name</i>	Not Classified for Sea Transport
<i>IATA : Proper shipping name</i>	Not classified for Air Transport

REGULATORY INFORMATION

<i>Label Requirements</i>	Irritant 
<i>Risk Phrases</i>	Irritating to skin. 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. Use only in well ventilated areas.

**OTHER INFORMATION*****First Issue Date***

02.08.1995

Revisions HighlightedS Phrases
Transport Information
Toxicological Information***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

EH40, Occupational Exposure Limits, HSE. Revised Annually.
HS(G) 53, Respiratory Protective Equipment - a Practical Guide for Users, HSE.
EH44, Dust in the Workplace: General Principles of Protection, HSE.
General Approved Code of Practice to COSHH Regulations, 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.