

**1. PRODUCT AND COMPANY IDENTIFICATION**

<i>Product Code</i>	SIGPW
<i>Product Name</i>	Sigunite Powder
<i>Product Description</i>	Powder accelerator for sprayed concrete.
<i>Manufacturer/Supplier</i>	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>
Calcium hydroxide	1305-62-0	10.00% - 25.00%	Xi	R38, R41
Sodium carbonate	497-19-8	25.00% - 50.00%	Xi	R36
Sodium aluminat	11138-49-1	10.00% - 25.00%	C	R35
Calcium carbonate	1317-65-3	25.00% - 50.00%	-	-

**3. HAZARD IDENTIFICATION**

<i>Main Hazards</i>	Causes severe burns.
---------------------	----------------------

**4. FIRST AID MEASURES**

<i>Eye Contact</i>	Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention urgently.
<i>Skin Contact</i>	Immediately wash skin thoroughly with soap and water. Remove contaminated clothing as washing proceeds. Obtain medical attention if blistering occurs or redness persists.
<i>Ingestion</i>	Wash out mouth with water. Do not induce vomiting. Obtain medical attention.
<i>Inhalation</i>	Remove from exposure. Keep warm and at rest. Obtain medical attention.

**5. FIRE FIGHTING MEASURES**

<i>Extinguishing Media</i>	Not combustible. Select extinguishing agent appropriate to other materials involved.
<i>Special Hazards of Product</i>	None.

**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 or preferably vacuum up and collect in suitable containers for recovery or disposal.

**7. 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.

Use in well ventilated area.

**Storage**

Storage area should be: cool. dry. away from incompatible materials.

Store in original containers.

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

Calcium hydroxide  
Sodium carbonate

UK EH40: OES 5mg/m<sup>3</sup> 8h TWA.

None assigned.

However the following limits are recommended:

UK EH40: OES 4 mg/m<sup>3</sup> 8h TWA. (as respirable dust)

UK EH40: OES 10mg/m<sup>3</sup> 8h TWA. (as total dust)

Calcium carbonate

UK EH40: OES 10 mg/m<sup>3</sup> 8h TWA. Dust, total inhalable:

UK EH40: OES 4 mg/m<sup>3</sup> 8h TWA. Dust, respirable:

**Engineering Control Measures**

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

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

**Respiratory Protection**

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.

**9. 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/m<sup>3</sup>)**

Approx. 650. (loose)

**10. STABILITY AND REACTIVITY****Stability**

Stable under normal conditions.

**Conditions to avoid**

Exposure to water or moisture.

**Materials to avoid**

Strong mineral acids.

**11. TOXICOLOGICAL INFORMATION****Acute toxicity**

Low order of acute toxicity.

**Eye irritation**

This material is corrosive to the eye.

**Skin irritation**

The material is corrosive to the skin.

**12. ECOLOGICAL INFORMATION**

<i>Mobility</i>	Partially 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. 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.

**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>	Corrosive 
<i>Risk Phrases</i>	Causes severe burns.
<i>Safety Phrases</i>	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
<i>Contains</i>	Sodium Aluminate

**16. OTHER INFORMATION**

<i>First Issue Date</i>	02.08.1995
<i>Revisions Highlighted</i>	Composition / information on ingredients Main Hazards Toxicological Information Regulatory Information
<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 2002 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
<i>UK Guidance Publications</i>	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.



## SAFETY DATA SHEET

### Sigunite Powder

Date of issue - 22/12/2004.

SIGPW

---

**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.