



# Safety Data Sheet

According to NOHSC:2011(2003)

Version: 1.0

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Revised: 28 September 2006

MSDS No: 286

## CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA

### 1. Identification of the substance/preparation and company

Product:

**Sika® Gunitite GP**

Recommended use:

Sprayed concrete application including repairs, tunnel linings, embankment stabilisation.

Manufacturer/supplier information:

Manufacturer/supplier:	Sika Australia Pty Ltd
Street/postbox:	55 Elizabeth Street
Town/city and Post Code:	WETHERILL PARK NSW 2164
Country:	AUSTRALIA
Phone:	(02) 9725 1145
Fax:	(02) 9725 3330
General information	Operations Manager

Emergency information phone: 1800 033 111

### 2. Composition/information on ingredients

Chemical characterization:

A blend of silica sand, Portland cement and admixtures.

Hazardous ingredients:

Ingredient	CAS No	Concentration
Silica sand	14808-60-7	>60%
Portland cement	659971-15-1	10-30%
Aluminium powder	7429-90-5	<10%
Non hazardous ingredients	-	to 100%

### 3. Hazard identification

Hazard Category:

Xi Irritant

Risk Phrase(s):

R15:	Contact with water liberates highly flammable gases.
R36/37/38:	Irritating to eyes, respiratory system and skin.
R48/20:	Harmful: risk of serious damage to health by prolonged exposure through inhalation.

Safety Phrase(s):

S22:	Do not breathe dust.
S24/25:	Avoid contact with skin and eyes.
S36/37/39:	Wear suitable protective clothing, gloves and eye/face protection.
S38:	In case of insufficient ventilation, wear suitable respiratory equipment.

### 4. First-aid measures

Inhalation:

Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Skin contact:

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.



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## Eye contact:

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a Doctor; or for at least 15 minutes and transport to Doctor or Hospital.

## Ingestion:

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766). Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

## Notes to physician:

Treat symptomatically.

## 5. Fire-fighting measures

### Specific hazards:

Non-combustible material.

### Special protective precautions and equipment:

Not combustible material. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

### Suitable extinguishing media:

Not combustible, however, if material is involved in a fire use water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

## 6. Accidental release measures

### Small Spills:

Wear protective equipment to prevent skin and eye contamination. Sweep up excess with a small amount of water to produce a mortar. Ensure adequate ventilation and keep away from sources of ignition. Allow to set for 24 hours before disposal. Dispose of at an approved waste disposal site when cured.

### Large spills:

Wear protective equipment to prevent skin and eye contamination and the inhalation of dust. Work up wind or increase ventilation. Sweep or vacuum up, but avoid generating dust. Collect and seal in properly labelled containers or drums for disposal. Mix collected material with a small quantity of water to produce a flowable mortar and allow to set. After 24hr dispose of at an approved waste disposal site. If contamination of sewers or waterways has occurred advise local emergency services.

## 7. Handling and storage

### Handling:

Avoid skin and eye contact and inhalation of dust.

### Storage:

Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for spills.

## 8. Exposure controls/personal protection

### National occupational exposure limits:

Portland cement                      10mg/m<sup>3</sup>      TWA

Crystalline Silica                    0.2mg/m<sup>3</sup>      TWA

Aluminium (metal dust)            10mg/m<sup>3</sup>      TWA

Keep exposure to dust as low as practicable. If inspirable dust levels are kept below 2 mg/m<sup>3</sup>, health problems such as skin, eye and respiratory irritation will be minimized.

### Biological Limit Values:



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As per the "National Model Regulations for the Control of Workplace Hazardous Substances [NOHSC: 1005 (1994)]" the ingredients in this material do not have a Biological Limit Allocated.

**Engineering measures:**

Avoid generating and inhaling dusts. Use with local exhaust ventilation or while wearing dust mask.

**Personal protection equipment:**

OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES, DUST MASK.

Wear overalls, safety glasses and impervious gloves. Avoid generating and inhaling dusts. If dust exists, wear dust mask/respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Due to variations in glove construction and local conditions, the user should make an assessment of the appropriate gloves to use. Wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

## 9. Physical and chemical properties

**Appearance:**

Physical state: powder  
Colour: grey  
Odour: almost odourless

**Data relevant to safety:**

Solubility:	Soluble in water
Specific Gravity (20 °C):	N Av
Relative Vapour Density (air=1):	N App
Vapour Pressure (20 °C):	N App
Flash Point (°C):	N App
Flammability Limits (%):	N App
Autoignition Temperature (°C):	N App
Melting Point/Range (°C):	N App
Boiling Point/Range (°C):	N App
pH:	N App

(Typical values only - consult specification sheet)  
N Av = Not available      N App = Not applicable

## 10. Stability and reactivity

**Chemical stability:**

This material is thermally stable when stored and used as directed.

**Conditions to avoid:**

Elevated temperatures.

**Incompatible Materials:**

No information available.

**Hazardous decomposition products:**

Oxides of carbon and nitrogen, smoke and other toxic fumes.

**Hazardous reactions:**

No information available.

## 11. Toxicological information

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:



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## Acute Effects:

Inhalation: Material is irritant to mucous membranes and respiratory tract.

Skin contact: Contact with skin will result in irritation.

Eye contact: An eye irritant.

Ingestion: Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.

## Long Term Effects:

No information available for product.

## Acute toxicity / Chronic toxicity:

No LD50 data available for the product.

## 12. Ecological information

Avoid contaminating waterways.

### Ecotoxicity:

No information available.

### Persistence and degradability:

No information available.

### Mobility:

No information available.

## 13. Disposal considerations

Refer to State/Territory Land Waste Management Authority.

## 14. Transport information

### ADG/ADR/RID

Not classified as Dangerous Goods by the criteria of the ADG Code.

### IMDG

Not classified as Dangerous Goods by the criteria of the IMDG Code for transport by sea.

### IATA

Not classified as Dangerous Goods by the criteria of the IATA Dangerous Goods Regulations for transport by air.

## 15. Regulatory information

### Poisons Schedule (Aust):

Not applicable.

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

## 16. Other information

Reason(s) For Issue: revised.

Material Safety Data Sheets are updated frequently. Please ensure that you have a current copy. MSDS may be obtained from the following website: [www.sika.com.au](http://www.sika.com.au)

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