

# SAFETY DATA SHEET

# Gypsum

Gypsum SDS Issued: 03/07/2019



## 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

### 1.1 Product identifier

**Product name** Gypsum  
**Synonym(s)** Gypsum, Screened Gypsum

### 1.2 Uses and uses advised against

**Use(s)** Manufacture of cement, lime and plaster, soil conditioner, soil treatment.

### 1.3 Details of the supplier of the product

**Supplier name** Sunstate Cement Limited.  
**Address** 8 Bulk Terminals Drive, Port of Brisbane, QLD, 4178, AUSTRALIA  
**Telephone** (07) 3895 9800  
**Email** [sales@sunstatecement.com.au](mailto:sales@sunstatecement.com.au)  
**Website** [www.sunstatecement.com.au](http://www.sunstatecement.com.au)

### 1.4 Emergency telephone number(s)

**Emergency** 13 11 26 (Poisons Information Centre)  
000 (Emergency Services)

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

CLASSIFIED AS NON-HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

### GHS classification(s)

Not Classified

### 2.2 Label elements

Not Classified

### 2.3 Other hazards

Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1 Substances / Mixtures

Ingredient	CAS Number	EC Number	Content
Calcium Sulphate Dihydrate (CaSO <sub>4</sub> 2H <sub>2</sub> O)	13397-24-5	-	>99%

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## 4. FIRST AID MEASURES

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### 4.1 Description of first aid measures

<b>Eye</b>	If in eyes, hold eyelids apart and flush continuously with running water for at least 15 minutes and seek medical assistance if irritation develops. Check for and remove contact lenses.
<b>Inhalation</b>	If inhaled, remove from contaminated area and seek medical assistance if breathing difficulties are evident.
<b>Skin</b>	If skin contact occurs, rinse thoroughly and seek medical assistance if irritation develops. Remove contaminated clothing and footwear.
<b>Ingestion</b>	Wash out mouth with water. Remove affected person(s) to fresh air and keep comfortable. If material has been swallowed and person is conscious give small quantities of water to drink. Do not induce vomiting unless directed by medical personnel. Get medical attention if symptoms develop. For further advice contact a Poisons Information Centre (13 11 26) or doctor
<b>First aid facilities</b>	Eye wash facilities and safety shower should be available.

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## 5. FIRE FIGHTING MEASURES

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### 5.1 Extinguishing media

Use an extinguishing agent suitable for the surrounding fire.

### 5.2 Special hazards arising from the substance or mixture

Non flammable. May evolve sulphur oxide gases if strongly heated.

### 5.3 Advice for firefighters

No fire or explosion hazard exists.

### 5.4 Hazchem code

None allocated.

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## 6. ACCIDENTAL RELEASE MEASURES

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### 6.1 Personal precautions, protective equipment and emergency procedures

Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS. Clear area of all unprotected personnel. Contact emergency services where appropriate.

### 6.2 Environmental precautions

Prevent product from entering drains and waterways.

### 6.3 Methods of cleaning up

Contain spillage, then collect and place in suitable containers for reuse or disposal. Avoid generating dust.

### 6.4 Reference to other sections

See Sections 8 and 13 for exposure controls and disposal.

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## 7. HANDLING AND STORAGE

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### 7.1 Precautions for safe handling

Before use carefully read this SDS. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in a well-ventilated area. Do not store with strong acids, alkalis or oxidizing agents.

### 7.3 Specific end use(s)

No information provided.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

#### Exposure standards

Ingredient	Reference	TWA		STEL	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Gypsum (Calcium Sulphate)	SWA (AUS)	--	10	--	--

#### Biological limits

No biological limit values have been entered for this product.

### 8.2 Exposure controls

#### Engineering controls

Work practices should minimize the release of and exposure to dust. Where an inhalation risk exists then local mechanical ventilation may be required. Work areas should be cleaned regularly by damp sweeping or vacuuming. Maintain dust levels below the recommended exposure standard.

#### PPE

- Eye / Face** Wear safety glasses or dust-proof goggles, when working in a dusty environment, to avoid contact with eyes.
- Hands** Wear appropriate gloves when handling material to prevent skin contact.
- Body** Wear long sleeved shirt and full-length trousers.
- Respiratory** Where an inhalation risk exists wear a Class P1 (Particulate) respirator, dependent on a site specific risk assessment.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

<b>Appearance</b>	WHITE GRANULAR LUMPS/CRYSTALS
<b>Odour</b>	ODOURLESS
<b>Flammability</b>	NON FLAMMABLE
<b>Flash point</b>	NOT RELEVANT
<b>Boiling point</b>	NOT AVAILABLE
<b>Melting point</b>	Decomposition temperature 128 to 163°C
<b>Evaporation rate</b>	NOT AVAILABLE
<b>pH</b> (at stated concentration)	7
<b>Vapour density</b>	NOT AVAILABLE
<b>Specific gravity</b>	2.32
<b>Solubility (water)</b>	0.22 g/l @ 20°C
<b>Vapour pressure</b>	NOT AVAILABLE
<b>Upper explosion limit</b>	NOT RELEVANT
<b>Lower explosion limit</b>	NOT RELEVANT
<b>Partition coefficient</b>	NOT AVAILABLE
<b>Auto-ignition temperature</b>	NOT AVAILABLE
<b>Decomposition temperature</b>	NOT AVAILABLE
<b>Viscosity</b>	NOT AVAILABLE
<b>Explosive properties</b>	NOT AVAILABLE
<b>Oxidising properties</b>	NOT AVAILABLE
<b>Odour threshold</b>	NOT AVAILABLE

### 9.2 Other information

<b>Density</b>	1100 kg/m <sup>3</sup> to 1500 kg/m <sup>3</sup> (Bulk)
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## 10. STABILITY AND REACTIVITY

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### 10.1 Reactivity

Carefully review all information provided in sections 10.2 to 10.6.

### 10.2 Chemical stability

Stable under recommended conditions of storage.

### 10.3 Possibility of hazardous reactions

Under normal conditions of storage and use hazardous reactions will not occur.

### 10.4 Conditions to avoid

Do not store with strong acids, alkalis or oxidizing agents.

### 10.5 Incompatible materials

Incompatible with oxidising agents (e.g. hypochlorites), acids (e.g. hydrofluoric acid) and alkalis.

### 10.6 Hazardous decomposition products

Releases oxides of sulphur when heated to decomposition.

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## 11. TOXICOLOGICAL INFORMATION

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### 11.1 Information on toxicological effects

<b>Acute toxicity</b>	No known toxicity data is available for this product. Based on available data, the classification criteria are not met.
<b>Skin</b>	The powder and dust, particularly in association with heat and sweat, can cause irritation, but it is not absorbed through the skin. Repeated heavy contact with dust over extended period may cause irritation.
<b>Eye</b>	The powder and dust can irritate the eyes causing watering and redness. Exposure to dust may aggravate pre-existing eye conditions. Mechanical abrasion of the eye may occur if in contact with granules.
<b>Sensitization</b>	This product is not classified as a skin or respiratory sensitiser. However, some individuals may exhibit an allergic response.
<b>Mutagenicity</b>	Insufficient data available to classify as a mutagen.
<b>Carcinogenicity</b>	Insufficient data available to classify as a carcinogen.
<b>Reproductive</b>	Insufficient data available to classify as a reproductive toxin.
<b>STOT – single exposure</b>	The powder and dust may be irritating to the respiratory system. Over exposure may result in irritation of the nose and throat, with coughing. High level exposure to the dust may result in breathing difficulties.
<b>STOT – repeated exposure</b>	Repeated exposure to the dust may result in increased nasal and respiratory secretions and coughing. Inhaling dust may aggravate pre-existing respiratory conditions. In the natural wet state, the likelihood of an inhalation hazard is reduced.
<b>Aspiration</b>	This product is a solid and aspiration hazards are not expected to occur.

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## 12. ECOLOGICAL INFORMATION

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### 12.1 Toxicity

Not classified as dangerous.

### 12.2 Persistence and degradability

Product is persistent and would have a low degradability.

### 12.3 Bioaccumulative potential

Not available

### 12.4 Mobility in soil

Not available

### 12.5 Other adverse effects

No known significant effects or critical hazards.

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## 13. DISPOSAL CONSIDERATIONS

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### 13.1 Waste treatment methods

**Waste disposal** Reuse or recycle where possible. Alternatively, dispose of to an approved landfill site. Contact the manufacturer/supplier for additional information (if required).

**Legislation** Dispose of in accordance with relevant local legislation.

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## 14. TRANSPORT INFORMATION

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### NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG OR IATA

	LAND TRANSPORT (ADG)	SEA TRANSPORT (IMDG)	AIR TRANSPORT (IATA / ICAO)
14.1 UN Number	None Allocated	None Allocated	None Allocated
14.2 Proper Shipping Name	None Allocated	None Allocated	None Allocated
14.3 Transport hazard class	None Allocated	None Allocated	None Allocated
14.4 Packing Group	None Allocated	None Allocated	None Allocated

14.5 **Environmental hazards** No information provided

### 14.6 Special precautions for user

**Hazchem code** None Allocated

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## 15. REGULATORY INFORMATION

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### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

**Poison schedule** A poison schedule number has not been allocated to this product

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## 16. OTHER INFORMATION

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### Additional information

#### PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

#### HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a ChemAlert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

### Abbreviations

ADG	Australian Dangerous Goods code
AICS	Australian Inventory of Chemical Substances
CAS #	Chemical Abstract Service number - used to uniquely identify chemical compounds
EC No.	EC No - European Community Number
GHS	Globally Harmonized System
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
ICAO	International Civil Aviation Organisation
IMDG	International Maritime Dangerous Goods code
mg/m <sup>3</sup>	Milligrams per cubic metre
OEL	Occupational Exposure Limit
pH	relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
ppm	Parts Per Million
STEL	Short-Term Exposure Limit
STOT-RE	Specific target organ toxicity (repeated exposure)
STOT-SE	Specific target organ toxicity (single exposure)
SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
SWA	Safe Work Australia
TLV	Threshold Limit Value
TWA	Time Weighted Average

### Report status

Sunstate Cement Ltd believes the information in this document to be accurate as at the date of preparation noted below, but, to the maximum extent permitted by law, Sunstate Cement Ltd accepts no responsibility for any loss or damage caused by any person acting or refraining from action because of this information.

The provision of this information should not be construed by anyone as a recommendation to use this product. In particular, no one should use any product in violation of any patent or other intellectual proprietary rights or in breach of any statute or regulation.

Users should rely on their own knowledge and inquiries and make their own determination as to the applicability of this information in relation to their particular purposes and specific circumstances. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace and in conjunction with other substances or product.