



## SAFETY DATA SHEET

# KIESERITE

### Identification of the Material & Supplier

Product Name: Kieserite  
Other Names: Magnesium Sulphate  
Recommended Use: Fertilizer  
Supplier: Summit Fertilizers  
29 Ocean St  
Kwinana Beach WA 6167  
Telephone: 9439 8999

### Hazards Identification

Hazards Classification: Kieserite is not classified as hazardous according to Safe Work Australia criteria  
Risk Phrase: Kieserite is not classified as Dangerous Good according to the ADG Code

### Composition/Information on Ingredients

Chemical Identity: Magnesium Sulphate (MGS04-H20)  
Proportion of Ingredients: Magnesium Oxide as MGO 25%  
Sulphate as SO3 50%

CAS Number: 14567-64-7

### First Aid Measures

Eye Contact: Irrigate with water for 15 minutes. If pain persists seek medical assistance.  
Skin Contact: Wash off with water. Remove contaminated clothing and launder before using again.  
Inhalation: Remove from exposure to a well-ventilated area. Keep warm and at rest. In emergency situations, if breathing is abnormal or difficult give oxygen. If the affected person suffers a cardiac arrest commence cardio-pulmonary resuscitation immediately.  
Ingestion: Wash out mouth with water and give water or milk to drink. Do not induce vomiting. Seek medical assistance, if a large quantity has been swallowed, or if there is difficulty swallowing.

### Fire Fighting Measures

Flammability: Kieserite is non-flammable and does not support combustion.  
Suitable Extinguishing Media:  
Hazards from Combustion Products: May emit toxic gases (Sulphur Dioxide and Sulphur Trioxide) when heated. Also may produce calcium oxides when heated to decomposition. If product is present in fire evacuate area and notify emergency services.  
Hazchem Code: None allocated.



## Accidental Release Measures

Emergency Procedures	Clean Up crew should wear P2 type dust masks, PVC gloves, chemical safety goggles and long sleeve shirts and trousers.
Methods and Materials for Containment & Cleanup	Depending on the size of the spillage, a front end loader may be required for cleanup. Sweep up spills and recycle. Prevent run off into drains and waterways. Dispose of on farm or authorised waste facility in accordance with department of environmental protection's requirements. Depending on the size of the spill, clean-up will involve sweeping up and loading into a truck or container. All material should be gathered up and disposed of.

## Handling & Storage

Precautions for Safe Handling	None listed
Conditions for Safe Storage	Store in a dry place under cover. Keep containers tightly closed. Store only in approved containers if applicable. Ensure machinery is cleaned thoroughly after use; do not leave product in equipment overnight.

## Storage Incompatibilities

## Exposure Controls/Personal Protection

National Exposure Controls	There are no exposure limits available. Recommended ACGIH, TWA – 10mg/m <sup>3</sup> nuisance dust.
Engineering Controls	Use well ventilated areas. Avoid high dust concentrations.
Personal Protective Equipment	Wear PVC gloves, long sleeve shirt buttoned to the top and long trousers to prevent skin contact. Use a P2 respirator and wear chemical safety glasses to prevent eye contact.

## Physical & Chemical Properties

Appearance	
Odour	Fully granulated Fertiliser with variations in colour, mainly white to light brown.
pH of 10% Solution	
Vapour Pressure	
Boiling Point	
Melting Point	Decomposes before boiling
Solubility	
Specific Gravity	
Bulk Density	1.20 t/m <sup>3</sup>

## Toxicological Information

Health Effects	Eye contact may cause mild irritation, in the form of redness, stinging and watering. Dust may dry out skin and cause irritation, itching, redness and sores, especially if the skin has previously been exposed to abrasion. Mild inhalation may cause irritation to the nose and upper respiratory tract. Low degree of toxicity via ingestion. In cases where large amounts are ingested there is generally a reaction of nausea, diarrhea and vomiting. Repeated or prolonged skin contact may lead to dermatitis effects. Prolonged occupational exposure to dust can lead to cough, nose bleeds and shortness of breath. As with any chemical, ingestion, inhalation of dust, prolonged or repeated skin contact should be avoided. Chronic exposure by inhalation of dust can lead to minor respiratory ailments.
Toxicity Data	LD50 (ingestion): < 2,000mg/kg (rat)



### Transport Information

UN Number	None allocated
UN Proper Shipping Name	None allocated
Class & Subsidiary Risk	None allocated
Packing Group	None allocated
Hazchem Code	None allocated

### Regulatory Information

Australian Regulatory Information	A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP). All chemicals listed on the Australian Inventory of Chemical Substances (AICS).
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### Other Information

Key/Legend	NOHSC	National Occupational Health and Safety Commission
	USEPA	United States Environmental Protection Authority
	SUSDP	Standard for the Uniform Scheduling of Drugs and Poisons
	ACGIH	American Conference of Government Industrial Hygienists
	OECD	Organisation for Economic Cooperation and Development
	ES-TWA	Exposure Standard – Time weighted average
	ES-STEL	Exposure Standard – Short term exposure level
	ES-Peak	Exposure Standard – Peak level
	LDLo	The lowest dose in an animal study in which lethality occurred.
	LD50	Lethal dose 50. The single dose of a substance that causes death of 50% of an animal population from exposure other than inhalation
	t/m <sup>3</sup>	Tonnes per cubic metre
	mg/m <sup>3</sup>	Milligrams per cubic metre
	mg/kg	Milligrams per kilogram
	pH	Hydrogen ion concentration on a scale of 0-14

### Disclaimer

The information contained in this SDS is offered in good faith as accurate but does not purport to be all-inclusive. Health and safety precautions in this SDS may not be adequate for all individuals and/or situations. It is the user's responsibility to determine the suitability of any material for a specific purpose, adopt such precautions as may be necessary and comply with all applicable laws and regulations. Summit Fertilizers reserves the right to make changes to SDS data without notice.