

# Safety Data Sheet

## Kieserite (Magnesium Sulphate)



### Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER

<b>Product Name:</b>	ESTA Kieserite (Magnesium Sulphate Monohydrate)
<b>Other Names:</b>	Magnesium Sulphate, Magnesium Sulphate Monohydrate
<b>Chemical Formula:</b>	MgSO <sub>4</sub> ·H <sub>2</sub> O
<b>Product Code:</b>	0000412
<b>Recommended Use:</b>	Fertiliser
<b>Company Name:</b>	Hortigro Ltd
<b>Address:</b>	164 Manukau Road Pukekohe 2120 PO Box 1302, Pukekohe 2340
<b>Office:</b>	092371777
<b>National Poisons Information Centre:</b>	0800 POISON (0800 764 766)
<b>Emergency Phone Number:</b>	0800 CHEMCALL (0800 243 622) (24hr) (Emergencies Only)
<b>Transport Emergency Phone Number:</b>	111 - tell operator what service is needed: Fire, Ambulance or Police

### Section 2: HAZARD IDENTIFICATION

<b>Hazard Classifications:</b>	Not classified as hazardous according to criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001
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### Section 3: COMPOSITION INFORMATION

INGREDIENT	CAS No.	CONTENT
Magnesium Sulphate Monohydrate	14567-64-7	85%

### Section 4: FIRST AID MEASURES

<b>First Aid Measures:</b>	Consult the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor immediately in every case of suspected poisoning.
<b>Inhalation:</b>	Remove to fresh air. Keep at rest in comfortable position for breathing. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance immediately
<b>Ingestion:</b>	Never give anything by mouth to an unconscious person. Rinse mouth but DO NOT induce vomiting. Seek medical advice.
<b>Skin:</b>	Remove contaminated clothing then wash affected area thoroughly with soap and water. If a large area is affected seek medical assistance.
<b>Eye:</b>	Flush with plenty of water holding eyelids open if necessary. Remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes.
<b>Advice to Doctor:</b>	No specific antidote. Treat symptomatically.

### Section 5: FIRE FIGHTING MEASURES

<b>Flash Point:</b>	N.A.
<b>Hazardous Combustion Products:</b>	Sulphur oxides, magnesium oxide.
<b>Extinguishing Media:</b>	Based on surrounding materials.
<b>Protective Equipment:</b>	Breathing apparatus goggles and protective gloves
<b>HAZCHEM Code:</b>	None allocated.

### Section 6: ACCIDENTAL RELEASE MEASURES

<b>Spills and Disposal:</b>	Wear appropriate protective clothing. Exclude non-essential people from the area. Contain spill and sweep up. Avoid generating dust. Reuse or recycle where possible.
<b>Protective Clothing:</b>	For appropriate personal protective equipment see section 8.
<b>Environmental</b>	Avoid unintended release of excessive amounts into waterways or sewers. If spill does enter waterway contact local authority.

### Section 7: HANDLING AND STORAGE

<b>Handling:</b>	Keep out of the reach of children. Avoid contact with skin, eyes and inhalation. <b>Approved Handler:</b> Not required <b>Tracking:</b> Not required <b>Record Keeping:</b> Not required
<b>Storage:</b>	Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs.
<b>Other Information:</b>	Always read the label before use. See label for further information on handling and storage.

### Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

<b>Exposure Limits:</b>	N.A.
<b>Protective Equipment:</b>	Overalls, dust mask, safety glasses and gloves.
<b>Engineering Controls:</b>	Handle in well ventilated area. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below exposure limits. Avoid inhalation of dust.
<b>Hygiene Precautions:</b>	Do not eat, drink or smoke while using this product. Remove protective clothing and wash hands and face before meals and after work. Wash protective clothing daily after work.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Creamy brown/white
<b>Format:</b>	Uneven Granules
<b>Odour:</b>	Odourless
<b>Specific Gravity:</b>	n.a.
<b>pH:</b>	n.a.
<b>Solubility in Water:</b>	Soluble
<b>Melting Point:</b>	Decomposes above 850°C
<b>Other Information:</b>	None

## Section 10: STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under normal conditions.
<b>Hazardous Polymerisation:</b>	Not likely to occur.
<b>Hazardous Decomposition Products:</b>	Sulphur oxides, Magnesium Oxide
<b>Conditions to Avoid:</b>	Strong heat, moisture.
<b>Materials to Avoid:</b>	Strong oxidisers.

## Section 11: TOXICOLOGICAL INFORMATION

<b>Hazard Classifications:</b>	Not classified as hazardous.
<b>Inhalation:</b>	May lead to nausea, vomiting, diarrhea
<b>Skin:</b>	May cause irritation
<b>Eye:</b>	May cause irritation
<b>Chronic Effects:</b>	Not known
<b>Carcinogenicity:</b>	Not considered to be carcinogenic.
<b>Ingestion:</b>	<b>Acute Toxicity (Oral):</b> LD50 5,000mg/kg (mouse).

## Section 12: ECOLOGICAL INFORMATION

<b>Hazard Classifications:</b>	Not hazardous.
<b>Ecotoxicity:</b>	Not toxic
<b>Bioaccumulation:</b>	Unlikely to bio-accumulate

## Section 13: DISPOSAL INFORMATION

<b>Product Disposal:</b>	Dispose of product only by using according to label or at an approved landfill.
<b>Container Disposal:</b>	Dispose of in an approved landfill. Do not use container for any other purpose.

## Section 14: TRANSPORT INFORMATION

<b>UN Number:</b>	None allocated
<b>Proper Shipping Name:</b>	None allocated
<b>DG Class:</b>	None allocated
<b>Other Information:</b>	Not regulated for transport purposes.

## Section 15: REGULATORY INFORMATION

**EPA:** Approved pursuant to the HSNO Act 1996  
See [www.epa.govt.nz](http://www.epa.govt.nz) for approval controls.

## Section 16: OTHER INFORMATION

This Safety Data Sheet was updated on the date shown and supersedes all previous versions.

The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material. The information is provided in good faith based on current knowledge and experience. No warranty with regard to the product properties is expressed or implied.

### Checked

Hazard Classification	EPA CCID, EPA NZ Inventory of Chemicals	MXM
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