



## KISMET INTERNATIONAL PTY.LTD.

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For and On Behalf of

### Guano Australia Pty. Ltd.

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## MATERIAL SAFETY DATA SHEET

**PRODUCT NAME: KMS (Potassium Magnesium Sulphate)**

Issued: 22<sup>nd</sup> November 2005

Hazardous according to criteria of Worksafe Australia.

### IDENTIFICATION

#### TRADE NAME:

**KMS Fertilizer**

Other Names:

Schoenite, Potassium Magnesium Sulphur,  
Sulphate of Potash Magnesia.

U.N. No.:

None Allocated

DG Class:

None Allocated.

Sub Risk:

None Allocated.

HAZCHEM:

None Allocated.

Poison Schedule No:

None Allocated.

Use:

Fertilizer.

#### PHYSICAL DESCRIPTION/ PROPERTIES

Appearance:

White or Colourless granules.

**Granule Size:**

**2mm-4mm**

**Physical Hardness:**

**??????**

Melting Point:

No data available.

Boiling Point:

No data available.

Vapour Pressure:

No data available.

Flash Point:

No data available.

Specific Gravity (20°C):

2.15 g/cm<sup>3</sup>

Bulk Density (kg/m<sup>3</sup>):

1150 to 1700.

Flammability Limits:

No data available.

Solubility in water:

32.8g / 100mL at 25°C.

#### OTHER PROPERTIES

Auto-ignition Temperature:

No data available.

Decomposition Point:

72°C

Solubility:

Highly soluble in water.

Chemical Formula:

**K<sub>2</sub>SO<sub>4</sub> MgSO<sub>4</sub> 6H<sub>2</sub>O**

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## IDENTIFICATION Cont.

### INGREDIENTS

**Chemical Name**

Potassium Magnesium Sulphate

Impurities:

**Proportion**

>97%

Remainder

## HEALTH HAZARD INFORMATION

### HEALTH EFFECTS

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label.

Acute Effects:	Has no published Toxicity data.
Swallowed:	Mild irritant.
Eye:	Mild irritant.
Skin:	Mild irritant.
Inhaled:	Mild irritant.
Chronic Effects:	If any of the effects persists, seek further attention.

### FIRST AID

Swallowed:	Wash out mouth with water and give water to drink.
Eye:	Irrigate with water for at least 15 minutes and seek medical attention.
Skin:	Wash skin with water.
Inhaled:	Remove from exposure. Keep warm and at rest.
Advice to doctor:	Treat symptomatically.

## PRECAUTIONS FOR USE

### EXPOSURE STANDARDS

There are no exposure limits available.

### ENGINEERING CONTROLS

Use in open or well ventilated areas. Minimise amount of dust in the atmosphere.

### PERSONAL PROTECTION

Avoid inhaling the dust by wearing class P2-type dust mask when necessary.

### FLAMMABILITY

Non Flammable

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## SAFE HANDLING INFORMATION

### STORAGE AND TRANSPORT

Store in a dry, well ventilated area.

### SPILLS AND DISPOSAL

Sweep up spills and recycle.

### FIRE/EXPLOSION HAZARDS

Not combustible. In a fire, may emit toxic fumes of SO<sub>x</sub> and HCl. Use self contained breathing apparatus.

## OTHER INFORMATION AND REFERENCES

### REACTIVITY DATA

Contact with moisture is likely to cause handling and corrosion problems.

### CONTACT POINT

**KISMET INTERNATIONAL PTY.LTD.**

**Tel: 13004Guano or (07) 5445 5300**

**Mobile: 0412 474 049 for 24 hour contact**

This MSDS has been prepared from current technical data and summarises at the date of issue our best knowledge of the health and safety information of the product, and in particular how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made the user should contact this company.

Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.

Kismet International Pty. Ltd. reserves the right to make changes to MSDSs without notice.