

## FIL Nutri-mag

### SAFETY DATA SHEET

Issue Date: 12-Mar-12

#### 1. Product and Company Identification

Product Name:	FIL Nutri-mag
Proper Shipping Name:	Non hazardous
Synonyms:	Magnesium Oxide, Calcined Magnesite
Recommended Use:	Mineral supplement to assist prevention and treatment of hypomagnesaemia (grass staggers)
Molecular Formula:	MgO
Manufacturer:	FIL is a wholly owned subsidiary of GEA Farm Technologies New Zealand Ltd
Address:	72 Portside Drive, Mt Maunganui
Telephone Number:	07 575 2162
Fax Number:	07 575 2161
Emergency phone No: 24hr	0508 434 569
Website:	www.fil.co.nz
Email:	info@fil.co.nz

#### 2. Hazards Identification

Dangerous Goods:	Non-hazardous
Hazardous Substance (HSNO):	Not Applicable

#### 3. Composition/Information on Ingredients

Appearance:	White dusty powder
CAS No:	1309-48-4 MgO (98%)

#### 4. First Aid Measures

Ingestion:	Wash out mouth and give a glass or two of water or milk. Seek medical attention if symptoms indicate.
Eye Contact:	Wash eye with gently running water for at least 20 minutes. Do not rub the eye. Cover with sterile dressing. If irritation persists, seek medical attention.
Skin Contact:	Quickly remove contaminated clothing. Wash skin with large quantities of soap and water.
Inhalation:	Remove the casualty from further contamination.
Notes to Physician:	Treat symptomatically.

#### 5. Fire-fighting Measures

Specific Hazards:	Non-flammable.
Suitable Extinguishing Media:	Water fog (or if unavailable fine water spray), foam, dry chemical powder, carbon dioxide.

## 6. Accidental Release Measures

<b>Spill Cleanup Methods:</b>	Follow procedures in FIL Emergency response plan: Chemical Spill.
	Ventilate area of leak or spill. Remove all sources of ignition.
	Wear appropriate personal protective equipment (Section 8). Isolate hazard area.
	Contain material. Recover in HDPE container. Avoid contamination of waterways.
	Small quantities only may be washed to drain with large quantities of water.

## 7. Handling and Storage

<b>Handling:</b>	Keep away from sources of ignition.
	Avoid spilling, skin and eye contact. Wear protective clothing, including barrier cream, gloves, respiratory and eye protection when spraying or dusting.
	Ventilate well. Avoid breathing dust. Use approved respirator if air contamination is above acceptable level.
	After use wash hands before eating, drinking or smoking.
	Do not handle broken packages unless wearing appropriate personal protective equipment.
<b>Storage:</b>	Don't store with D.G. classes 1, 7
	Store unopened bags in a clean, dry place, away from foodstuffs, acids and oxidising agents and out of reach of children. Partly used or open bags should be folded closed after use to minimise atmospheric water uptake.

## 8. Exposure Control/Personal Protection

<b>Exposure Standards:</b>	N/A. As inspirable dust recommended TWA 10mg/m <sup>3</sup>
<b>Engineering Controls:</b>	Use with adequate ventilation - avoid creation and inhalation of aerosols.
<b>Personal Protection:</b>	Wear suitable protective clothing including barrier cream, gloves, respiratory and eye protection when spraying or dusting.

## 9. Physical and Chemical Properties

<b>Appearance and Odour:</b>	White dusty powder
<b>Solubility in Water (g/l):</b>	Insoluble
<b>Specific Gravity:</b>	3.58 g/cu cm
<b>Boiling Point/Melting Point (°C):</b>	Not Available
<b>Vapour Pressure:</b>	Not Available
<b>Flashpoint (°C):</b>	Nil
<b>Flammability Limits (%):</b>	Not Applicable
<b>pH Value:</b>	10.3 (sat. aqueous MgO solution)

## 10. Stability and Reactivity

<b>Stability:</b>	Stable. Incompatible with bromine trifluoride, bromine trichloride, phosphorus pentachloride.
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## 11. Toxicological Information

<b>General:</b>	Mildly alkaline and corrosive. May be harmful if swallowed, inhaled, gets in eyes or in prolonged skin contact.
<b>Ingestion:</b>	Irritant, emetic, purgative. Probable Oral Lethal Dose (Human) 0.5-5 G/KG, between 1 oz or 1 pint (or 1 lb) for 70 kg person.
<b>Eye Contact:</b>	Irritant - reddened, swollen or watering excessively.
<b>Skin Contact:</b>	Irritant - astringent.
<b>Inhalation:</b>	Irritant - long term exposure may be harmful. Avoid creating dusts, aerosols or mists.

## 12. Ecotoxicity Information

Excessive supplemental Mg intake may cause diarrhoea.

## 13. Disposal Considerations

<b>Container Disposal:</b>	Dispose of empty containers safely in accordance with local regulations. Avoid contamination of any water supply with chemical or empty container.
<b>Product Disposal:</b>	Dispose of container and unused contents in accordance with and local regulations.

## 14. Transport Information

<b>UN No:</b>	Not Applicable
<b>Dangerous Goods Class:</b>	Non-hazardous
<b>Hazchem Code:</b>	Not Applicable
<b>Packing Group:</b>	Not Applicable
<b>Proper Shipping Name:</b>	Non-hazardous
<b>Segregation:</b>	Don't store with D.G. classes 1, 7
<b>Limited quantities</b>	Not Applicable
<b>Schedule 1 Quantity:</b>	Not Applicable

## 15. NZ Regulatory Information

<b>ERMA Approval Code:</b>	Not Applicable
<b>HSNO Classifications:</b>	Not Applicable
<b>HSNO Controls:</b>	<u>Trigger quantities for this substance by itself in a Place:</u>
<b>Approved Handler Test Certificate:</b>	<i>Not required</i>
<b>Hazardous Substance Location:</b>	<i>Not required</i>
<b>Location Test Certificate:</b>	<i>Not required</i>
<b>Hazardous Atmosphere Zone:</b>	<i>Not required</i>
<b>Emergency Plan:</b>	<i>Not required</i>
<b>Tracking:</b>	<i>Not required</i>
<b>Warning Sign:</b>	<i>Not required</i>
<b>Record of application or discharge:</b>	<i>Not required</i>

**16. Other Information**

**Issue Date:** 12-Mar-12

**Review Date:** 12-Mar-17

<b>Definitions:</b>	DG	Dangerous Good	
	LC50	Lethal concentration 50 % kill	
	LD50	Lethal dose 50 % kill	
	LDLO	lowest published lethal dose	
	PEL	Permissible exposure limit	
	STEL	Short term exposure limit	
	TCLo	Lowest published toxic concentration	
	TLM 24	24 Hour median threshold limit	
	TWA	Time weighted average:	<i>The 8-hour time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure</i>