



Queensland Magnesia Pty Ltd  
ABN 43 010 823 588

# EMAG<sup>®</sup> 45

## Magnesium Oxide



### Chemical Analysis

#### Loss Free

	Typical%
MgO	95.4
SiO <sub>2</sub>	1.36
CaO	2.78
Al <sub>2</sub> O <sub>3</sub>	0.15
Fe <sub>2</sub> O <sub>3</sub>	0.18
Mn <sub>3</sub> O <sub>4</sub>	0.13

#### As Received

	Typical
Mg (%)	56.4
As (ppm)	<5
Hg (ppm)	<0.1
Pb (ppm)	<3
Cd (ppm)	<0.5
Fluoride as F (ppm)	<500
Loss on Ignition	2.0

### Physical Properties

#### Sizing

	Typical
% passing 45 µm (325#)	95
Citric Acid Reactivity @ 30°C (seconds)	35
Specific Surface Area (m <sup>2</sup> /g)	35
Loose Fill Density (kg/m <sup>3</sup> )	500

### Product Description

**EMAG<sup>®</sup> 45** is calcined natural magnesium oxide manufactured from Queensland Magnesia's high quality cryptocrystalline magnesite deposit. **EMAG<sup>®</sup> 45** is a non-toxic, pink, free flowing, fine powder. It is characterised by good reactivity, tightly controlled sizing, high magnesium content and strong neutralising properties.

### Typical Uses

- Hydrometallurgical applications
- Water Treatment
- Fertiliser
- Animal Health
- Paper Bleaching

### Typical Packaging

**EMAG<sup>®</sup> 45** is available:

- 20kg bags
- 1 tonne bulk bags
- Bulk loose in container or truck

### Product Storage

Store in a cool, dry, well ventilated area.

The physical and chemical properties and specifications contained herein represent typical average results obtained using industry accepted standard test methods, and are carried out under controlled conditions and are subject to normal manufacturing variations. QMAG reserves the right to modify the properties and specifications at any time without prior notice. Refer to MSDS for Caustic Calcined Magnesia.

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