



Queensland Magnesia Pty Ltd  
ABN 43 010 823 588

# EMAG<sup>®</sup> 523 Magnesium Oxide



## Chemical Analysis

Loss Free	Typical %
MgO	92.0
SiO <sub>2</sub>	3.80
CaO	3.45
Al <sub>2</sub> O <sub>3</sub>	0.30
Fe <sub>2</sub> O <sub>3</sub>	0.30
Mn <sub>3</sub> O <sub>4</sub>	0.15

As Received	Typical
Mg (%)	54.8
As (ppm)	<5
Hg (ppm)	<0.1
Pb (ppm)	<3
Cd (ppm)	<0.5
Fluoride as F (ppm)	<500
Loss on Ignition	1.2

## Physical Properties

Sizing	Typical
% passing 500 µm	5
% greater than 3mm	5
Specific Surface Area (m <sup>2</sup> /g)	32
Loose Fill Density (kg/m <sup>3</sup> )	850

## Product Description

EMAG<sup>®</sup> 523 is calcined natural magnesium oxide manufactured from Queensland Magnesia's high quality cryptocrystalline magnesite deposit. EMAG<sup>®</sup> 523 is a non-toxic, pink, granular magnesium oxide characterised by tightly controlled sizing and high magnesium content

## Typical Uses

- Fertiliser
- Animal Health

## Typical Packaging

EMAG<sup>®</sup> 523 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.

### Queensland Magnesia Pty Ltd

9 Sherwood Road  
Toowong, Queensland 4066  
AUSTRALIA

Telephone: +61 7 3331 3400  
Email: [information@qmag.com.au](mailto:information@qmag.com.au)

Australia and New Zealand  
Americas  
Japan, India and Malaysia  
Africa (CCM only)

### QMAG Europe GmbH

Königstr 84-96  
23552 Lübeck  
GERMANY

Telephone: +49 451 2927 4250  
Email: [qmw@qmag.com.au](mailto:qmw@qmag.com.au)

Europe  
Middle East  
Africa (DBM and EFM only)

### QMAG (Shanghai) Trading Co., Ltd.

Suite 3408-10 CITIC Square  
1168 Nanjing West Road Shanghai 200041  
CHINA

Telephone: +86 21 5292 5210  
Email: [brucexu@qmag.com.au](mailto:brucexu@qmag.com.au)

Asia (excl Japan, India and Malaysia)



Quality  
ISO 9001

SAI GLOBAL