

1. COMPANY DETAILS

Company: Quintermina AG
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2. IDENTIFICATION

Product name: Dead Burned Magnesia (DBM)
Chemical name: Magnesium Oxide
Chemical formula: MgO
CAS no.: 1309-48-4
Synonyms: Magnesia, Calcined Magnesite, Fused Magnesia
Product use: Industrial Chemical Process / Animal Feed Supplement / Refractory Material

3. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: grains 0-3mm,0-10mm
Colour: brown
pH: not applicable
Boiling point: not applicable
Melting point: 2600°C – 2800°C
Flashpoint: not applicable
Flammability: not flammable
Reactivity: not reactive
Auto-flammability: not applicable
Lower explosive limit: not applicable
Upper explosive limit: not applicable
Combustive properties: not combustive
Solubility in water: insoluble 0.001%
Solubility in acids: soluble
Odour: odourleass
Other properties: none

4. INGREDIENTS

Chemical name		Proportion [%]	CAS no.
Magnesium oxide	MgO	>90.0	1309-48-4
Calcium oxide	CaO	<2.5	1305-78-8
Silicon dioxide	SiO ₂	<5.0	14808-60-7
Aluminum oxide	Al ₂ O ₃	<1.8	1344-28-1
Iron oxide	Fe ₂ O ₃	<1.3	1309-37-1

5. HEALTH EFFECTS

- Swallowed: The material is regarded as non-toxic but may be harmful if swallowed in large quantity. Oral administration would generally result in purging.
- Eyes: The dust is irritating and may be abrasive to the eyes.
- Skin: The material may be mildly irritating and may cause drying of the skin.
- Inhaled: Not normally a hazard due to non-volatile nature of product. The dust is irritating to the upper respiratory tract.

6. FIRST AID MEASURES

- Swallowed: Rinse mouth with plenty of water. If irritation or discomfort persists seek medical attention.
- Eyes: This material is abrasive, if it comes in contact with the eyes. Immediately hold the eyes open and wash continuously for at least 15 minutes with fresh running water. Ensure irrigation under eyelids by occasionally lifting the upper and lower lids.
- Skin: If material comes in contact with the skin, wash affected area with water and soap if available.
- Inhaled: If dust is inhaled, remove to fresh air. Encourage patient to blow nose to ensure clear breathing passages. Rinse mouth with water. Consider drinking water to remove dust from throat. If irritation or discomfort persists seek medical attention.

7. PERSONAL PROTECTION

- Eye: Safety glasses with side shields or chemical goggles.
- Hands: Barrier creams and cotton gloves or PVC gloves.
- Other: No special equipment required when handling small quantities.

8. HANDLING AND STORAGE

- Packaging: Bulk or big bags.
- Storage incompatibility: Keep dry.
- Storage requirement: Store in cool, dry area, away from incompatible materials and foodstuff containers.
- Transportation: No restriction.

9. TRANSPORT INFORMATION

This product isn't classified as hazardous goods.

10. ECOLOGICAL INFORMATION

Under appropriate handling and use, no ecological problems.

11. OTHER INFORMATION

The information above is believed to be accurate and represents the information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes. In no way shall Quintermina be liable for any claims, losses or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Quintermina has been advised of the possibility of such damages.

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