

## 1. COMPANY DETAILS

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## 2. IDENTIFICATION

Product name: Caustic Calcined Magnesia (CCM) also called Light Calcined Magnesia  
CAS no.: 1309-48-4  
Use :

- animal feed,
- ground fertilizer,
- paint application (low iron grade),
- HP DBM, Fused MgO production

## 3. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: size 200mesh/ 0-3mm  
Colour: white, yellow, pink  
pH: not applicable  
Boiling point: (deg. C) 3600°C  
Melting point: (deg. C) 2600°C - 2800°C  
Flashpoint: (deg. C) 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: odourless  
Other properties: none  
Vapour Pressure: (kPa) not applicable

## 4. INGREDIENTS

Chemical name		Proportion [Wt.%]	CAS Number
Magnesium oxide	MgO	>85.0	1309-48-4
Calcium oxide	CaO	<2.0	1305-78-8
Silicon dioxide	SiO <sub>2</sub>	<2.0	14808-60-7
Aluminum oxide	Al <sub>2</sub> O <sub>3</sub>	<0.5	1344-28-1
Iron oxide	Fe <sub>2</sub> O <sub>3</sub>	<1.0	1309-37-1
Manganese dioxide	Mn <sub>3</sub> O <sub>4</sub>	<0.1	1313-13-9

## 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. Otherwise overalls and eyewash units.

## 8. HANDLING AND STORAGE

- Packaging: Usually shipped in Bulk or Big Bags
- Storage incompatibility: Keep dry
- Storage requirement: Store in cool, dry area, away from incompatible materials and foodstuff containers.

**9. TRANSPORT INFORMATION**

No restrictions. Usually shipped in Bulk or Big Bags

**10. ECOLOGICAL INFORMATION**

Under appropriate handling and use, no ecological problems.

**11. SPILLS AND DISPOSAL**

Minor Spills: Clean up all spills immediately. Wear impervious gloves and safety glasses. Avoid generating and breathing dust.

Major Spills: Clear area of personnel and move up wind. Use dry clean up procedures. Avoid generating dust.

Disposal: Recycle wherever possible. Consult State Land Management Authority for disposal. Recycle bigbags where possible.

**12. 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 AG 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 AG has been advised of the possibility of such damages.

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