

SAFETY DATA SHEET

MAGNESIUM OXIDE

According to Regulation (EC) N°: 1907/2006 and EC 1272/2008

1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name	Magnesium Oxide
Synonyms, trade names	Calcine magnesite
Application	Used for the manufacture of fertilizer, stock feeds and in tailing and sewage treatment.
Supplier	SAISA CHEMICALS SA C. JUAN HURTADO DE MENDOZA 15, 1º POST, 28036 MADRID (SPAIN) +34 913 459 444 saisa@saisa.es
Emergency telephone	+34 915 620 420

2. HAZARDS IDENTIFICATION

Not hazardous. The product is inert, so it does not form any explosive or flammable blend. As with all dusts, inhalation should be avoided.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Appearance	White to slightly brownish Crumbly Material
Boiling point	(deg C) 3600°C
Melting point	(deg C) 2600°C-2800°C
Vapour Pressure	(kPa) Not applicable
Specific Gravity	1.2
Flashpoint	(deg. C) Not applicable
Lower explosive limit	(%) Not applicable.
Upper explosive limit	(%) Not applicable.
Solubility in water	Insoluble 0.001%

CHEMICAL NAME

Magnesium Oxide

PROPORTION (Wt.%)

MgO > 86,00

CAS NUMBER

1309-48-4

REACH REGULATION N°: No REACH registration number is given for this substance since it is exempted from this registration

4. FIRST-AID MEASURES

IF SWALLOWED

Rinse mouth out with plenty of water. If irritation or discomfort persists seek medical attention

EYE CONTACT

This product 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. Transport to doctor or hospital without delay. Removal of any contact lens after an eye injury should only be undertaken by skilled personnel.

SKIN CONTACT

If product comes in contact with the skin: wash affected area with water (and soap if available). Seek medical attention in event of irritation.

INHALATION

If dust is inhaled, remove to fresh air. Encourage patient to blow nose to clear breathing passages. Rinse mouth with water. Consider drinking water to remove dust from throat. If irritation or discomfort persists seek medical attention.

5. FIRE- FIGHTING MEASURES

Nonflammable and not explosive -no special precautions necessary.

6. ACCIDENTAL RELEASE MEASURE

Collect dry powder using a vacuum cleaner or other means where dust is not generated. Avoid powder spillage as a possible cause of slipping.

7. HANDLING AND STORAGE

Handling Appropriate controls should be used to avoid generating dust when handling dry powders. Storage Powders should be stored at ambient temperature in a dry covered area. The product should be stored in sealed bags, away from humidity in a well ventilated area if possible.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection. Use appropriate engineering controls to avoid dust generation when handling powders. Ensure that all occupational exposure standards are observed. Skin protection substance may have a drying effect on the skin. Maintain Good standards of industrial hygiene.

Eye protection eye wash should be available, eye protection is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	powder
Odour:	odourless
Melting point:	2852°C
Boiling point:	3600°C
Explosive properties:	none
Relative density:	3.0
Solubility Relatively:	insoluble

10. STABILITY AND REACTIVITY

Conditions to avoid protect against is moisture

Material to avoid is unknown

Hazardous decomposition products are unknown.

11. TOXICOLOGICAL INFORMATION

Inhalation: temporary discomfort mechanical irritation other upper respiratory tract may occur due to inhalation of high dust concentrations. No acute effects expected.

Skin contact: no determined toxicological effects

Ingestion. No determined toxicological effects

Eyes: high dust concentrations may cause mechanical irritation.

OEL mg/m³hrTWA
Calcined magnesite 4 (OES) respirable

12. ECOLOGICAL INFORMATION

Environmental Statement: Calcined Magnesite is persistent and non-biodegradable but is unlikely to have any long term effect on the environment.

Mobility: solid. Involatile. Insoluble in water.

Degradability: Non bio -accumulation or bio-magnification indentified.

13. WASTE DISPOSAL INFORMATION

Calcined magnesite may be disposed of as nontoxic/inactive materials in approved land fillsites in accordance with local regulations.

14. WASTE DISPOSAL INFORMATION

Calcined magnesite is not classified as dangerous for transportation under EU or UK national regulation. No special precautions are required. Nospecial precautions are required.

15. REGULATORY INFORMATION

Calcined magnesite is not classified as dangerousto Supply under EU or UL national reglations.

16. ADDITIONAL INFORMATION

Workers should be trained to handle these products without generating air borne dust or spillages.

1. Carriage of Dangerous Goods (Classifications, Packaging and Labelling) Regulations
2. Chemicals (Hazard in formation and packaging for supply) Regulations
3. Control of Substances Hazardous to Health Regulations.
4. Dust: General Principles of Protection (EH44)
5. Environmental Hygiene Guidance (EH40)