

SAFETY DATA SHEET

MAGNESIUM OXIDE

Acorde a la regulación (CE) nº 1907/2006 y CE 1272/2008

SECTION 1: Identification of the substance/mixture and of the company.

1.1. Substance-Mixture ID

Product Name: Magnesium Oxide

1.2. Use of the substance or mixture and not recommended uses

Usage: It is used in fertilizer production, animal feed additive

1.3. Datos de proveedor

Proveedor: SAISA CHEMICALS
Dirección: C. JUAN HURTADO DE MENDOZA 15, 1º POST 28036 MADRID (SPAIN)
Teléfono: +34 91345 94444
Email: saisa@saisa.es
Teléfono emergencia: +34 9156 20420

SECTION 2: HAZARDS IDENTIFICATION

2.1. Substance and mixture classification

Physical and chemical hazards: Not classified
Person health: Eye irritation 2 h319
Environment: Not classified

2.2. Label elements

Labeling



Warning Word:
Harmfulness statements:
Precaution statements:

Attention!!!
H319 – Causes serious eye irritation
P264 – Wash hands thoroughly after handling
P280 – Wear protective gloves/protective clothing/eye protection/face protection
P305+P351+P338 IF IN EYES: Rinse cautiously

2.3. Other hazards

There is no microbiological hazard and risk associated with the raw material or product

SECTION 3: Composition/information on ingredients

3.1. Substances

NAME	CAS NO	EC NO	Concentration (%)	Classification (TC310330)
Magnesium Oxide	1309-48-4	215-171-9	> 89%	Eye irritation 2 H319

3.2. Mixtures

Not applicable

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

Inhalation:

Consult a doctor if any discomfort persists.

Move exposed person to fresh air. Consult a doctor if any discomfort persists. If dust is inhaled, move to fresh air. Encourage the patient never to blow into open airways. Rinse mouth with water. Consider drinking water to clear the dust from the throat. Seek medical attention if irritation or discomfort persists.

Ingestion:

Do not induce vomiting. Immediately move the casualty away from the exposure area. Rinse mouth thoroughly to the doctor immediately contact.

Contact with skin:

Take off contaminated clothing. Wash skin immediately with plenty of water. If irritation persists after washing, consult a doctor.

Contact with eyes:

If there are contact lenses, they should be removed before washing eyes immediately. Rinse eyes immediately with plenty of water by opening the lids. Continue rinsing for at least 15 minutes. If symptoms occur after washing, seek medical advice immediately.

4.2. Most important symptoms and effects, both acute and delayed

Seek medical attention at the onset of symptoms or in case of doubt.

4.3. Indication of any immediate medical attention and special treatment needed.

No specific treatment has been recommended. Treat according to symptoms.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable fire extinguishers: use extinguishing media suitable for the environment. Foam, carbon dioxide (CO₂), dry chemicals, water spray.

Unsuitable fire extinguishers: high power water spray jet

5.2. Special from the substance or mixture losses

In case of fire, toxic gases may be produced. Fire creates. Carbon monoxide (CO). Carbon dioxide (CO₂)

5.3. Protective for fire fighters equipment

Avoid breathing fire fumes. If possible, fight the fire from a protected location. If this can be done without danger, remove the container from the fire area. Cool containers exposed to flames with water until the fire is out. Protective face mask, protective gloves and safety helmet. In case of fire use self contained breathing apparatus and full protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions protective equipment and emergency procedures

Wear protective clothing as shown in section 8 of this safety data sheet. Do not breathe the dust. Do not smoke, do not use anything else igniting. Provide adequate ventilation.

6.3. Methods and material for containment and cleaning up

Stop leaks if possible, provided there is no danger. Prevent the proliferation and dispersion of dusts. Absorb spillage with a suitable simple absorbent material. Clean the area with water.

6.4. Reference to the other sections

See section 8 for personal protection

See chapter 11 for additional information on health hazards. See section 13 for waste disposal.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid any possibility of ignition. Careful personal hygiene is required. Wash hands and contaminated areas before leaving the workplace. Do not eat, drink or smoke during use. Consider necessary chemical hygiene measures.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original packaging in a dry and cool place, from sunlight and high temperatures. Keep away from food, drink and animal feeding stuffs. Store containers in an upright position to prevent possible leaks.

7.3. Specific end uses

The identified uses of this product are detailed in section 1.2.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

8.1. Control parameters

No exposure limits noted for its ingredients

8.2. Exposure controls

Appropriate engineering controls:



Respiratory protection: In case of excessive contamination in the air or in unusual situations, it is mandatory to use respiratory protection.

Eyelash/Face protection: Approved safety glasses or face shield use it.

Skin protection: Apron or protective clothing in case of contact get dressed

Hands protection: Use protective gloves. The most suitable glove with the distributor. The glove maker Will be able to give information about the permeation/deterioration time of the glove material.

Health precautions: Wash your hands at every shift change and before eating, smoking and going to the toilet. In case of skin contamination, wash immediately with soap and water. Do not eat, drink or smoke during use. Immediately remove all contaminated clothing. Keep contaminated clothing separate and wash before use.

SECTION 9: Physical and chemical properties

Information on Basic Physical and Chemical Properties

Appearance:	Dust
Color:	Milky brown
Fragrance:	Odourless
pH Value:	Knowledge no.
Resolution (in water/oil/alcohol):	In Water insoluble
Boiling Point:	3600°C
Melting Point:	2852°C
Flare Point:	No information
Evaporation Speed:	No information
Steam Pressure:	No information
Density:	3.6 kg/l
Distribution coefficient (n-octanol/water)	No information
Viscosity	No information

SECTION 10: Estabilidad y reactividad

10.1. Reactivity	Stable under prescribed storage conditions
10.2. Chemical Stability	Stable under normal temperatura conditions and recommended operating conditions
10.3. Possibility of hazardous reactions	Does not contain polymerizacion
10.4. Conditions of avoid	Do not expose to high heat or direct sunlight. Avoid open flames and heat sources.
10.5. Incompatible materials	Avoid strong oxidizing agents.
10.6. Hazardous decomposition product	Known harmful decomposition products

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Toxic effects information

Acute toxicity

Magnesium oxide (Cas: 1309-48-4)

Acute toxic dose LD50

Acute Toxic dose LD50

>2000 mg/kg (Oral-rat) (OECD 423)

>2000 mg/kg (Dermal rabbit)

11.2. Abrasiveness and irritation (corrosiveness and irritation)

Skin abrasion/irritation

Eyelash damage/irritation

Skin and respiratory sensitization

Irritant effect can show.

Irritant effect can show.

Sensitizing effect can show

11.3. Chronic toxicity (mutagenic, carcinogenic and toxic to reproduction)

Germ cell mutagenicity (un vitro-of vivo)

No info available

11.4. Carcinogenic impact

11.5. Other toxicological effects

Allergic impact

Stunner effect

Sensitivity creating (sensitization)

Not available

Not available

Not available

Developmental toxicological effects fertility

Not available

SECTION 12: Ecological information

12.1. Ecotoxicity

Ecotoxicity

Magneisum oxide (CAS: 1309-48-4)

LC50, fish, 96h

EC50 dafnia, 48h

Ecr50 algae, 72h

Not applicable

Not applicable

Not aplicable

12.2. Persistence and degradability

Biodegradability of the product.

12.3. Bioaccumulation potential

There is not information on the bioaccumulation of the product.

12.4. Mobilily in soil

The product is water soluble and may spread in soil.

12.5. Results PBT y vPvB assessment

It does not contain any ingredients that are considered PBT and vPvB.

12.6. Other adverse effects

Not known

saisa
chemicals