

MATERIAL SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

MAGNESIUM CARBONATE

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Version Number: 1

Revision Number:

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

1.1. Product identifier

Trade name: MAGNESIUM CARBONATE
CAS: 12125-28-9
ES (EINECS): 235-192-7
Synonyms: Magnesium carbonate hydroxide, Magnesium carbonate basic

1.2. Relevant identified uses of the substance or mixture and uses advised against

Magnesium for athletes, for example: climbing.

1.3. Details of the supplier of the safety data sheet

Manufacturer: Chalk, spol. s r.o.
Address: Suchodol 20, Suchodol, Czech Republic
Telephone No.: +420 737 950 475
E-mail: chalk@chalk.cz
website: www.chalk.cz

Competent person responsible for the Safety Data Sheet
GRACILIS s.r.o., info@gracilis.cz

1.4. Emergency telephone number

Toxicological Information Centre Prague (TIS), Address: Na Bojišti 1, 128 08 Praha 2
Tel. No.: +420 224 919 293 or +420 224 915 402 or +420 224 914 575 – non stop

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The substance is not classified as dangerous according to the criteria of directive(s) 67/548/EEC and/or 1999/45/EC and/or Regulation (EC) No 1272/2008.

The most important adverse physicochemical effects and effects on human health and the environment:
Not known.

2.2. Label elements

-

R-phrases:

-

S-phrases:

-

Identification of specific risk
not specified

2.3. Other hazards

not specified

SECTION 3. Composition/information on ingredients

3.1. Substances

Name of chemical substance	Index number	ES (EINECS)	CAS	Classification according to 67/548/EEC	Classification according to 1272/2008	Concentration %
Magnesium carbonate hydroxide	-	235-192-7	12125-28-9	-	-	95-100

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For R-phrases and H-statements in full: see heading 16.

SECTION 4. First aid measures

4.1. Description of first aid measures

In occurrence of health problems or if in doubt notify a doctor and give him information of this MSDS.

Inhalation

Move the victim into fresh air.

Skin contact

If there are allergies, do not use. Wash the affected area with water and soap and rinse thoroughly.

Eye contact

Remove contact lenses. Keep the eyelids open and for at least 10-15 minutes, rinse under running water. Seek medical attention. In rinsing continue even during transport.

Swallowing

Place the victim in a quiet place. Rinse mouth with water (only if that victim is conscious); let the affected to drink water. Immediately transport the victim to the hospital (the danger of swelling of respiratory mucous membranes and other).

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

Inhalation

Dusty environment may cause respiratory irritation.

Skin contact

Not expected.

Eye contact

May cause mechanical irritation.

Swallowing

Not specified.

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

Not specified.

SECTION 5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

According to the surrounding of fire.

Unsuitable extinguishing media

Not specified.

5.2. Special hazards arising from the substance or mixture

No special measures are necessary.

5.3. Advice for firefighters

Use self-contained breathing apparatus and full protective clothing.

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid dust formation, ensure adequate ventilation. Wear gloves if prolonged contact. Follow the instructions contained in chapters 7 and 8.

6.2. Environmental precautions

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Avoid contamination of land and escape into surface or underground water. Do not allow discharge into the drains.

6.3. Methods and material for containment and cleaning up

Cover the preparation with a suitable (non-flammable) absorbent material (sand, diatomaceous earth, soil or other suitable absorbent materials, etc.), place in sealed containers and remove according to point 13. Dispose the collected material in accordance with local regulations. In the case of release of large preparation quantities call the fire brigade and the Environment Department of the Municipal Office. After removing the substance wash contaminated area with plenty of water.

6.4. Reference to other sections

See Section 7, 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Avoid the formation of gases and vapours in the flammable or explosive concentrations and formation of gases and vapours in concentrations exceeding the maximum allowable concentration (OEL) for the working environment. Do not inhale dust. Avoid contact with skin and eyes. Use personal protective equipment according to chapter 8.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in a cool, dry place for this purpose. Store away from food and out of reach of children. Do not store in direct sunlight and heat sources.

7.3. Specific end use(s)

See information supplied by the manufacturer for the identified use(s).

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Name of chemical substance	CAS	The maximum permissible concentration in air [mg /m3]	
		PEL	OEL
-			

8.2. Exposure controls

Keep the usual measures of health protection at work and in particular, is well ventilated. This can be achieved only by local exhaust or effective ventilation overall. If cannot be met OEL must be used appropriate respiratory protection. Do not eat, drink or smoke. After work and before meal-break wash your hands thoroughly with soap and water.

Respiratory protection

In normal use is not required. In dusty environment use suitable respiratory equipment - mask with filter.

Skin protection

In normal use is not required. For prolonged or repeated contact with the product are recommended gloves - rubber. Respect recommendations of specific glove manufacturer for selection of appropriate thickness and permeability of the material. Protective clothing. In case of dry skin and direct contact with substance wear suitable protective creams.

Eye/face protection

Protective goggles or face shield (depending on the type of the work).

Thermal hazards

Not specified.

Environmental exposure controls

Keep the usual measures for environmental protection, see point 6.2.

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SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	
State:	dust, brush, cube, solid at 20°C
Colour:	white
Odour:	odourless
Odour threshold:	Not specified
pH:	Not specified
Melting point/freezing point:	Not specified
Initial boiling point and boiling range:	Not specified
Flash point:	Not specified
Evaporation rate:	Not specified
Flammability (solid, gas):	Not specified
Flammability limits:	Not specified
upper:	Not specified
lower:	Not specified
Explosive limits	Not specified
upper:	Not specified
lower:	Not specified
Vapour pressure:	Not specified
Vapour density:	Not specified
Relative density:	Not specified
Solubility(ies):	Insoluble
Partition coefficient: n-octanol/water:	Not specified
Auto-ignition temperature:	Not specified
Decomposition temperature:	Not specified
Viscosity:	Not specified
Explosive properties:	Not specified
Oxidising properties:	Not specified

9.2. Other information

Not specified

SECTION 10. Stability and reactivity

10.1. Reactivity

Not specified.

10.2. Chemical stability

In normal use the substance is stable and does not degrade.

10.3. Possibility of hazardous reactions

In normal use the substance is stable.

10.4. Conditions to avoid

Avoid contact with strong acids and oxidizing agents.

10.5. Incompatible materials

Avoid contact with strong acids and oxidizing agents.

10.6. Hazardous decomposition products

The substance is not dangerous under normal conditions. At high temperatures and fire arise danger products such as carbon monoxide and carbon dioxide.

SECTION 11. Toxicological information

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11.1. Information on toxicological effects

Acute toxicity of substance:

There are no toxicological data available on this substance.

Irritation:

Based on the available data do not satisfied the criteria for classification.

Corrosivity:

Based on the available data do not satisfied the criteria for classification.

Sensitisation:

Based on the available data do not satisfied the criteria for classification.

Repeated dose toxicity:

Based on the available data do not satisfied the criteria for classification.

Carcinogenicity:

Based on the available data do not satisfied the criteria for classification.

Mutagenicity:

Based on the available data do not satisfied the criteria for classification.

Toxicity for reproduction:

Based on the available data do not satisfied the criteria for classification.

Other information:

For product are not available any toxicological data. Given the characteristics of individual components of mixture is the product practically acutely non-toxic.

SECTION 12. Ecological information

12.1. Toxicity

There are no ecotoxicological data available on this substance.

12.2. Persistence and degradability

Not specified.

12.3. Bioaccumulative potential

Not specified.

12.4. Mobility in soil

Not specified.

12.5. Results of PBT and vPvB assessment

This substance is not in the following identified substances.

12.6. Other adverse effects

Not specified.

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Recycle or dispose of waste in compliance with local and/or national regulations, preferably via a certified collector or company. Product residues and uncleaned empty containers should be disposed like hazardous waste. Do not allow to enter drains or watercourses. Empty waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Code type of waste:

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Legislation on wastes

Directive 2008/98/EC, decision 2001/118/EC.

SECTION 14. Transport information

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14.1. UN number

The product is not covered by ADR.

14.2. UN proper shipping name

-

14.3. Transport hazard class(es)

-

14.4. Packing group

-

14.5. Environmental hazards

Not

14.6. Special precautions for user

Not specified.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not specified.

SECTION 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation of the European Parliament and Council Regulation (EC) No 1907/2006 of 18 December 2006 concerning the Registration, Evaluation, Authorisation of Chemicals, establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. Regulation of the European Parliament and Council Regulation (EC) No 1272/2008 of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. Council Directive 67/548/EEC of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances. Directive 1999/45/EC of the European Parliament and of the Council of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations. Commission Directive 2008/47/EC of 8 April 2008 amending, for the purposes of adapting to technical progress, Council Directive 75/324/EEC on the approximation of the laws of the Member States relating to aerosol dispensers. Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents. Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives.

15.2. Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16. Other information

Changes in the safety data sheet

First Edition

Explanation of abbreviations and acronyms

CAS	Chemical Abstracts Service (division of the American Chemical Society)
ES (EINECS)	European Inventory of Existing Commercial Chemical Substances
PBT	Persistent, bioaccumulable and toxic
vPvB	Substances of very persistent and very bioaccumulable
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
RID	Regulations Concerning the International Transport of Dangerous Goods by Rail
IMDG	International Maritime Code for Dangerous Goods
ICAO	International Civil Aviation Organization

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IATA-DGR

Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

Key literature references and sources for data

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication.

List of R-phrases for the hazard, safety phrases and / or guidelines for the safe treatment used in this safety data sheet

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Guidelines for training

Introduce the recommended use, compulsory safety equipment, first aid and forbidden handling to your staff. The product may not be use for any purpose other than stated in the Material Safety Data Sheet (point 1.2.). User is responsible for compliance with all relevant legislation to protect health and the environment. The product should not be without the approval of the producer / importer is used for purposes other than stated in Chapter 1. User is responsible for compliance with all relevant legislation to protect health.

Disclaimer:

The MSDS contains information on safety and health protection at work and environmental protection. These data correspond to the current state of knowledge and experience and are in compliance with applicable laws and regulations. Supplier is not responsible for any damage that may be caused by improper use of the mixture. Any modifications to the safety data sheet without the consent of the competent person are prohibited.