

# Material Safety Data Sheet

According to (EC) No 1907/2006 (REACH) and 1272/2008 (CLP)

## CALCII CARBONAS

EN

FORM-06-14-01 (V00)

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Publication: 06/12/2021

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### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Product name: Calcium carbonate  
Calcii carbonate  
Calciumcarbonaat  
Calcium (carbonate de)  
Calciumcarbonat

N° CAS: 471-34-1

N° EC: 207-439-9

#### 1.2 Relevant identified uses of the substance/mixture and uses advised against

Identified uses: Active Pharmaceutical Ingredient or Excipient.

#### 1.3 Details of the supplier of the safety data sheet

Company: Magis-Pharma NV  
Neerlandweg 24  
2610 Wilrijk  
Belgium

Telephone: (+32) (0)3 457 11 76

Email: info@magis-pharma.be

Web page: www.magis-pharma.be

#### 1.4 Emergency telephone number

Public utility foundation:	Belgisch Antigifcentrum	Centre Antipoisons Belge
Telephone:	(+32) (0)70 245 245	(Service 24/7)
Web page:	www.antigifcentrum.be	www.centreantipoisons.be

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance/mixture

##### Classification according to (EC) n° 1272/2008

This substance is classified as not hazardous.

#### 2.2 Label elements

##### Labelling according to (EC) n° 1272/2008

Hazard pictogram(s): Not applicable.

Signal word(s): Not applicable.

Hazard statements: Not applicable.

Precautionary statements: Not applicable.

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Additional applicable label elements:

Not applicable.

### 2.3 Other hazards

Not available.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Product name:	Calcium carbonate
IUPAC name:	Calcium carbonate
Synonyms:	Aragonite Limestone
N° CAS:	471-34-1
N° EC:	207-439-9
Molecular Formula:	CaCO <sub>3</sub>
Content:	98.5 per cent to 100.5 per cent (dried substance)

### 3.2 Mixtures

Not applicable.

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

After inhalation:	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
After skin contact:	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.
After eye contact:	Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing.
After ingestion:	Rinse mouth immediately and drink plenty of water.

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

Not available.

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

Not available.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

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Suitable extinguishing media:

The product does not burn at itself. Use fire fighting measures that suit the environment. CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol-resistant foam.

Unsuitable extinguishing media:

Not available.

### 5.2 Special hazards arising from the substance/mixture

Not available.

### 5.3 Advice for firefighters

Surrounding fires:

Suppress gases/vapours/mists with water spray jet. Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous.

Protection against fire:

Wear self-contained breathing apparatus.

Hazardous combustion products:

Not available.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

Provide adequate ventilation. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid generation of dust.

#### For emergency responders

Provide adequate ventilation. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid generation of dust.

### 6.2 Environmental precautions

Avoid release to the environment.

### 6.3 Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal. Clear contaminated areas thoroughly.

### 6.4 Reference to other sections

For information on disposal, see section 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Precautions for safe handling:

Avoid generation of dust.

Personal protection:

Do not breathe dust.

Technical protective measures:

Provide adequate ventilation.

Handling:

Not available.

### 7.2 Conditions for safe storage, including any incompatibilities

Storage:

Keep container tightly closed in a cool, well-ventilated place.

Conditions for safe storage, including any incompatibilities:

Storage temperature recommended: < 25 °C.

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Storage – away from:

Protect from moisture.

### 7.3 Specific end use(s)

Active Pharmaceutical Ingredient or Excipient

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

DNEL:

Long-term inhalative (systemic), workers: 10 mg/m<sup>3</sup>

Long-term inhalative (local), workers: 4.26 mg/m<sup>3</sup>

Long-term inhalative (systemic), consumer: 10 mg/m<sup>3</sup>

Long-term inhalative (local), consumer: 1.06 mg/m<sup>3</sup>

Long-term oral (repeated), consumer: 6.1 mg/kg body weight

Short-term oral (acute), consumer: 6.1 mg/kg bod weight

PNEC:

Sewage treatment plant (STP): 100 mg/l

### 8.2 Exposure controls

#### Appropriate engineering control

Immediately remove any contaminated clothing, shoes or stockings. Use protective skin cream before handling the product. Wash hands and face before breaks and after work and take a shower if necessary.

#### Individual protection measures

Eye/face protection: Safety glasses.

Skin protection: Wear suitable protective clothing.

Hand protection: Wear suitable gloves. Suitable material: NBR (Nitrile rubber). Material thickness: 0.4 mm. Break through time: > 480 min.

Respiratory protection: Respiratory protection necessary at: dust formation. Wear a respirator conforming to EN140 with Type A/P2 filter or better.

Thermal hazards: Not determined.

#### Environmental exposure control

Do not empty into drains.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance: White or almost white powder

Odour: Odourless.

Odour threshold: Not available.

pH: 8.5 – 9.5 (20 °C)

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Melting/freezing point:	885 °C (thermal decomposition)
Initial boiling point:	Not available.
Boiling range:	Not available.
Flash point:	Not available.
Evaporation rate:	Not available.
Flammability (solid/gas):	Not available.
Upper/lower flammability or explosive limits:	Not available.
Vapour pressure:	Not available.
Vapour density:	2.71 g/cm <sup>3</sup> (20 °C)
Relative density:	Not available.
Solubility:	Not available.
Solubility in water:	Practically insoluble in water (0.3% at 20 °C)
Partition coefficient (n-octanol/water):	Not available.
Auto-ignition temperature:	Not available.
Decomposition temperature:	900 °C
Viscosity:	Not available.
Explosive properties:	Not available.
Oxidising properties:	Not available.

### 9.2 Other information

Not available.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

Thermal decomposition: Decomposition takes place from temperatures above: 825 °C.

Remarks: The following decomposition products result from melting: Carbon dioxide.

### 10.2 Chemical stability

Stable when applying the recommended regulations for storage and handling (see section 7).

### 10.3 Possibility of hazardous reactions

Violent reaction with acid.

### 10.4 Conditions to avoid

Not available.

### 10.5 Incompatible materials

Not available.

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### 10.6 Hazardous decomposition products

Carbon dioxide (CO<sub>2</sub>).

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Acute toxicity:	Oral LD50 (rat): > 6 450 mg/kg
Skin corrosion/irritation:	Not irritating.
Serious eye damage/irritation:	Not irritating.
Respiratory/skin sensitisation:	Not sensitizing.
Germ cell mutagenicity:	No experimental indications of in vivo mutagenicity exist.
Carcinogenicity:	Not available.
Reproductive toxicity:	Not available.
Summary of evaluation of the CMR properties:	Not available.
STOT-single exposure:	Not available.
STOT-repeated exposure:	Not available.
Aspiration Hazard:	Not available.
Other:	Not available.

### 11.2 Additional information on potential adverse human health effects and symptoms

Eye contact:	Not available.
Skin contact:	Not available.
Inhalation:	Not available.
Ingestion:	Not available.
Aspiration:	Not available.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

Toxicity to fish: LC50 ( <i>Oncorhynchus mykiss</i> ) (96 h): > 10 000 mg/l
Toxicity to daphnia in other aquatic invertebrates: EC50 ( <i>Daphnia magna</i> ) (48 h): > 1 000 mg/l
Toxicity to algae: NOEC ( <i>Desmodesmus subspicatus</i> ) (72 h): 75 mg/l
EC50 ( <i>Desmodesmus subspicatus</i> ) (72 h): 289 mg/l

### 12.2 Persistence and degradability

The methods for determining the biological degradability are not applicable to inorganic substances.

### 12.3 Bioaccumulative potential

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Not available.

### 12.4 Mobility in soil

Not available.

### 12.5 Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

### 12.6 Other adverse effects

Further information on ecology: According to the present state of knowledge negative ecological effects are not expected.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Disposal considerations: Dispose of waste according to applicable legislation.

Contaminated packaging: Consult the appropriate local waste disposal expert about waste disposal.

## SECTION 14: TRANSPORT INFORMATION

### Transport information according to ADR/RID/IMDG/ICAO/IATA

#### 14.1 UN Number

ADR/ RID(Land),IMDG(Sea),  
IATA/ICAO (Air) : Not classified.

#### 14.2 UN proper shipping name

ADR/ RID(Land),IMDG(Sea),  
IATA/ICAO (Air) : Not classified.

#### 14.3 Transport hazard class(es)

ADR/ RID(Land),IMDG(Sea),  
IATA/ICAO (Air) : Not classified.

#### 14.4 Packing group

ADR/ RID(Land),IMDG(Sea),  
IATA/ICAO (Air) : Not classified.

#### 14.5 Environmental hazards

ADR/ RID(Land),IMDG(Sea),  
IATA/ICAO (Air) : Not classified.

#### 14.6 Special precautions for user

Not available.

#### 14.7 Transport in bulk according to annex II of Marpol and the IBC Code

Not available.

#### 14.8 Additional transport information

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non-hazardous product within the meaning of transportation regulations.

### SECTION 15: REGULATORY INFORMATION

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

Hazard symbol: Not applicable.

Risk phrases: Not applicable.

Safety phrases: Not applicable.

#### 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out.

### SECTION 16: OTHER INFORMATION

#### 16.1 Changes since the previous version

Not applicable.

#### 16.2 Abbreviations and acronyms used

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
EC (number):	European Community (number)
IATA:	International Air Transport Association
ICAO:	International Civil Aviation Organization
IMDG:	International Maritime Code for Dangerous Goods
IUPAC:	International Union of Pure and Applied Chemistry
PBT:	Persistent, Bioaccumulative and Toxic substance
RID:	Regulations Concerning the International Transport of Dangerous Goods by Rail
STOT:	Specific Target Organ Toxicity
UN (number):	United Nations (number)
vPvB:	very Persistent and very Bioaccumulative

#### 16.3 Key literature references/sources for data

European Chemicals Agency.

<https://www.echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database/>

#### 16.4 Method of classification in case of mixture

Not applicable.

#### 16.5 Relevant Hazard statements and/or precautionary statements

For information on hazard and/or precautionary statements refer to section 2 up to and including section 15.

#### 16.6 Training advisement



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Not available

### 16.7 Notice for user(s)

The information provided in this MSDS has been established in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015, amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council, on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94, as well as Council Directive 76/769/EEC and Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC of the Commission.

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### 16.8 Department issuing MSDS

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