

Information Data Sheet

according to Regulation (EC) No. 1907/2006



Mon-Droguiste.Com
39 Bis Rue Du Moulin Rouge
10150 Charmont Sous Barbuise
Tél : +33.(0)3.25.41.04.05
Email : contact@mon-droguiste.com
Web : www.mon-droguiste.com

Name : MAGNESIUM HYDROXIDE PHARMA
Code: T395430-11625430
Revision date : 31/07/2022
Print date : 31/07/2022

Version : 2.0.0
Revision : 1.0.0

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

1.1 Product identifier

Magnesium hydroxide ; CAS No. : 1309-42-8 ; EC No. : 215-170-3
MAGNESIUM HYDROXIDE PHARMA (T395430)

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

Relevant identified uses

Pharmaceutical product

Uses advised against

All uses other than those listed above.

1.3 Details of the supplier of the safety data sheet



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1.4 Emergency telephone number

Centro Antiveleni di Milano +39 02 66101029 (CAV Ospedale Niguarda Ca' Granda -Milano)
Centro Antiveleni di Pavia +39 0382 24444 (CAV IRCCS Fondazione Maugeri - Pavia)
Centro Antiveleni di Bergamo +39 800 883300 (CAV Ospedali Riuniti - Bergamo)
Centro Antiveleni di Firenze +39 055 7947819 (CAV Ospedale Careggi - Firenze)
Centro Antiveleni di Roma +39 06 3054343 (CAV Policlinico Gemelli - Roma)
Centro Antiveleni di Roma +39 06 49978000 (CAV Policlinico Umberto I - Roma)
Centro Antiveleni di Napoli +39 081 7472870 (CAV Ospedale Cardarelli - Napoli)

SECTION 2: Hazards identification

This mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

None

2.2 Label elements

None

2.3 Other hazards

None

SECTION 3: Composition/information on ingredients

3.1 Substances

Substance name : Magnesium hydroxide

EC No. : 215-170-3

CAS No. : 1309-42-8

Purity : 100 % [mass]

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SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical attention.

Following inhalation

Provide fresh air.

In case of skin contact

Flush away with water and rinse.

After eye contact

Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion

Rinse mouth immediately and drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

None in particular

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Magnesium oxide.

5.3 Advice for firefighters

Keep away unauthorized people from danger area.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Take the precautions customary when handling chemicals. Keep away from the dangerous area not authorized people.

For non-emergency personnel

Remove persons to safety.

6.2 Environmental precautions

Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up

For containment

Collect in closed and suitable containers for disposal.

For cleaning up

The contaminated area should be cleaned up immediately with: Water Retain contaminated washing water and dispose it.

Other information

Avoid dust formation.

6.4 Reference to other sections

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None

SECTION 7: Handling and storage

For transportation, storage and handling use only proper materials.

7.1 Precautions for safe handling

Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work Use with good manufacturing practice and with correct protection devices

Protective measures

Specific requirements or handling rules

Do not breathe dust. See section 8.

Advices on general occupational hygiene

Normal precautions taken when handling chemicals should be observed.

7.2 Conditions for safe storage, including any incompatibilities

Only use containers specifically approved for the substance/product.

Hints on joint storage

Storage class : 13

Storage class (TRGS 510) : 13

Further information on storage conditions

Keep containers in a well-ventilated place.

7.3 Specific end use(s)

See section 1.2

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

None

8.2 Exposure controls

Personal protection equipment

Work in well-ventilated zones or use proper respiratory protection. When handling with chemical substances, protective clothing with CE-labels including the four control digits must be worn.

Eye/face protection

Suitable eye protection

Use safety glasses.

Skin protection

Hand protection

Wear rubber gloves approved under standard EN374.

Respiratory protection

Fresh-air masks are recommended.

Suitable respiratory protection apparatus

Wear a protective mask in the presence of dust.

General health and safety measures

Provide for good ventilation. Observe the usual safety measures when handling chemicals.

SECTION 9: Physical and chemical properties

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9.1 Information on basic physical and chemical properties

Safety relevant basis data

Aspect			solid
Colour			white
Odour			none
Melting point/melting range :	(1013 hPa)	>	350 °C
Vapour density	(air = 1)		No data available
Initial boiling point and boiling range :	(1013 hPa)		No data available
Decomposition temperature :			No data available
Self flammability			No data available
Flash point :			Not flammable
Flammability (solid, gas)			Data not available
Lower explosion limit :			not applicable
Upper explosion limit :			not applicable
Explosive properties			Data not available
Vapour pressure	(20 °C)		No data available
Density :	(20 °C)	=	2,36 g/cm ³
Bulk density	(20 °C)	=	500 kg/m ³
Water solubility :	(20 °C)		almost insoluble
pH :			No data available
Log Pow	(20 °C)		not applicable
Viscosity :	(20 °C)		No data available
Odour threshold			Data not available
Evaporation rate			Data not available
Oxidizing properties			Data not available

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

None.

10.2 Chemical stability

Stable under recommended storage and handling conditions(See section 7).

10.3 Possibility of hazardous reactions

Highly exothermic reaction with acids.

10.4 Conditions to avoid

Do not expose this product to high temperatures.

10.5 Incompatible materials

Strong acids. Anhydrides.

10.6 Hazardous decomposition products

Magnesium oxide.

SECTION 11: Toxicological information

The product is unlikely to be harmful for human health.

11.1 Information on toxicological effects

Acute effects

Acute oral toxicity

Parameter : LD50 (Magnesium hydroxide ; CAS No. : 1309-42-8)

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Exposure route : Oral
Species : Rat (female)
Effective dose : > 2000 mg/kg

Acute inhalation toxicity

Parameter : LC50 (Magnesium hydroxide ; CAS No. : 1309-42-8)
Exposure route : Inhalation
Species : Rat
Effective dose : > 2,1 mg/l
Exposure time : 4 h

Sensitisation

Did not cause sensitization.

SECTION 12: Ecological information

Do not allow uncontrolled discharge of product into the environment. Use with good manufacturing practice. Avoid the release in the environment

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

Parameter : LC50 (Magnesium hydroxide ; CAS No. : 1309-42-8)
Species : Oncorhynchus mykiss
Effective dose : = 775,8 mg/l
Exposure time : 96 h

Acute (short-term) daphnia toxicity

Parameter : EC50 (Magnesium hydroxide ; CAS No. : 1309-42-8)
Species : Daphnia magna
Effective dose : approx. 284,76 mg/l
Exposure time : 48 h

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

This product is none, or does not contain a substance called a PBT or vPvB.

12.6 Other adverse effects

No information available.

12.7 Additional ecotoxicological information

None

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product/Packaging disposal

Dispose according to legislation.

SECTION 14: Transport information

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14.1 UN number

No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

14.4 Packing group

No dangerous good in sense of these transport regulations.

14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

14.6 Special precautions for user

None

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

not applicable

SECTION 15: Regulatory information

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

EU legislation

Directive 67/548/CEE (Dangerous substances classification, labelling and packaging) and subsequent amendments.

Directive 1999/45/CE (Dangerous preparations classification, labelling and packaging) and subsequent amendments.

Regulation n°. 1907/2006/CE (REACH).

Regulation n°. 1272/2008/CE (CLP).

Regulation n°. 790/2009/CE (amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008)

Regulation EU 286/2011 (amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008)

Regulation EU 618/2012 (amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008).

Regulation EU 487/2013 (amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008).

Reg. 830/2015/UE (Amending Regulation (EC) no. 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Other regulations (EU)

Regulation (CE) 1907/2006: Substance of very high concern (SVHC) included in the Candidate List

None

National regulations

Italy: Legislative Decree 81/2008 (Consolidated Law on protection of health and safety at work), as amended and Directive 2009/161/UE - chemical risk assessment in accordance with Title IX

Water hazard class (WGK)

Class : nwg (Non-hazardous to water) Classification according to VwVwS

Other regulations, restrictions and prohibition regulations

Betriebssicherheitsverordnung (BetrSichV)

No flammable liquid according to BetrSichV.

15.2 Chemical safety assessment

For this substance a chemical safety assessment is not required.

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SECTION 16: Other information

16.1 Indication of changes

Identification of the substance/mixture and of the company/ undertaking Hazards identification Composition/information on ingredients First aid measures Firefighting measures Accidental release measures Handling and storage Exposure controls/personal protection Physical and chemical properties Stability and reactivity Toxicological information Ecological information Disposal considerations Transport information Regulatory information

16.2 Abbreviations and acronyms

LEGENDA:

ADR:	Accord européen relative au transport international des marchandises dangereuses par route (accordo europeo relativo al trasporto internazionale delle merci pericolose su strada)
ASTM:	ASTM International, originariamente nota come American Society for Testing and Materials (ASTM)
EINECS:	European Inventory of Existing Commercial Chemical Substances (Registro Europeo delle Sostanze chimiche in Commercio)
EC(0/50/100):	Effective Concentration 0/50/100 (Concentrazione Effettiva Massima per 0/50/100% degli Individui)
LC(0/50/100):	Lethal Concentration 0/50/100 (Concentrazione Letale per 0/50/100% degli Individui)
IC50:	Inhibitor Concentration 50 (Concentrazione Inibente per il 50% degli Individui)
NOEL:	No Observed Effect Level (Dose massima senza effetti)
NOEC:	No Observed Effect Concentration (Concentrazione massima senza effetti)
LOEC:	Lowest Observed Effect Concentration (Concentrazione massima alla quale è possibile evidenziare un effetto)
DNEL:	Derived No Effect Level (Dose derivata di non effetto)
DMEL:	Derived Minimum Effect Level (Dose derivata di minimo effetto)
CLP:	Classification, Labelling and Packaging (Classificazione, Etichettatura e Imballaggio)
CSR:	Rapporto sulla Sicurezza Chimica (Chemical Safety Report)
LD(0/50/100):	Lethal Dose 0/50/100 (Dose Letale per 0/50/100% degli Individui)
IATA:	International Air Transport Association (Associazione Internazionale del Trasporto Aereo)
ICAO:	International Civil Aviation Organization (Organizzazione Internazionale dell'Aviazione Civile)
Codice IMDG:	International Maritime Dangerous Goods code (Codice sul Regolamento del Trasporto Marittimo)
PBT:	Persistent, bioaccumulative and toxic (sostanze persistenti bioaccumulabili e tossiche)
RID:	Règlement concernent le transport International ferroviaire des marchandises Dangereuses (Regolamento concernente il trasporto Internazionale ferroviario delle merci Pericolose)
STEL:	Short term exposure limit (limite di esposizione a breve termine)
TLV:	Threshold limit value (soglia di valore limite)
TWA:	Time Weighted Average (media ponderata nel tempo)
UE:	Unione Europea
vPvB:	Very persistent very bioaccumulative (sostanze molto persistenti e molto bioaccumulabili)
N.D.:	Non disponibile.
N.A.:	Non applicabile
VwVwS.:	Text of Administrative Regulation on the Classification of Substances hazardous to waters into Water Hazard Classes (Verwaltungsvorschrift wassergefährdende Stoffe – VwVwS)
PNEC:	Predicted No Effect Concentration
PNOS:	Particulates not Otherwise Specified
BOD:	Biochemical Oxygen Demand
COD:	Chemical Oxygen Demand
BCF:	BioConcentration Factor
TRGS :	Technische Regeln für Gefahrstoffe -Technical Rules for Hazardous Substances, defined by The Federal Institute for Occupational Safety and Health, Germany
LCLo:	Lethal Concentration Low (La minima concentrazione letale)
ThOD:	Theoretical Oxygen Demand

16.3 Key literature references and sources for data

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None

16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

No information available.

16.4 Relevant H- and EUH-phrases (Number and full text)

None

16.5 Training advice

None

16.6 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.
