

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 NITRATE ESA
Code: T402229-11620185
Revision date : 29/10/2022
Print date : 29/10/2022

Version : 4.1.0
Revision : 4.0.1

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

1.1 Product identifier

Magnesium nitrate hexahydrate ; CAS No. : 13446-18-9 ; EC No. : 233-826-7 ; REACH No. : 01-2119491164-38
MAGNESIUM NITRATE MGO 15% "PL" (T402229)

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

Relevant identified uses

Chemical products for industrial use.

Uses advised against

At this moment we have not identified any uses advised against.

1.3 Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor)



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1.4 Emergency telephone number

SAMU : 15
Pompiers : 18
ORFILA : 01 45 42 59 59

SECTION 2: Hazards identification

The product 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 nitrate hexahydrate

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REACH No. : 01-2119491164-38
CAS No. : 13446-18-9
Purity : 100 % [mass]

SECTION 4: First aid measures

4.1 Description of first aid measures

When in doubt or if symptoms are observed, get medical advice.

Following inhalation

Provide fresh air.

In case of skin contact

Wash immediately with: Flush away with water and rinse.

After eye contact

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

After ingestion

Never give anything by mouth to an unconscious person. If symptoms persist, consult a doctor.

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

The product is non-combustible. Use fire-extinguishing media appropriate for surrounding materials.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

In case of fire it can release hazardous gases/vapours. Oxides of nitrogen NOx. Oxygen.

5.3 Advice for firefighters

Remove persons to safety. In case of fire do not breathe fumes. Appropriate breathing apparatus may be required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protection gloves, clothes, glasses, boots and respiratory apparatus. Refer to protective measures listed in sections 7 and 8.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal.

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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

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.

Requirements for storage rooms and vessels

Store in a cool, dry place. Avoid exposure to direct sunlight.

Hints on joint storage

Keep away from materials which can lead to reaction. See par. 10.

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

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit) , suitable respiratory protection must be worn.

DNEL-/PNEC-values

PNEC

Limit value type :

PNEC (Sewage treatment plant) (Magnesium nitrate hexahydrate ; CAS No. : 13446-18-9)

Limit value :

18 mg/l

8.2 Exposure controls

Personal protection equipment

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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

Use protective gloves.

Respiratory protection

Fresh-air masks are recommended.

General information

Do not eat or drink during work - no smoking.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Safety characteristics

Aspect			Flakes
Colour			white or light cream
Odour			none
Melting point/freezing point :	(1013 hPa)	approx.	95 °C
Vapour density	((air = 1))		Data not available
Initial boiling point and boiling range :	(1013 hPa)		not applicable
Decomposition temperature :		>	90 °C
Self flammability			No data available
Flash point :			not applicable
Flammability (solid, gas)			Not flammable
Lower explosion limit :			No data available
Upper explosion limit :			No data available
Explosive properties			Product is not explosive
Vapour pressure	(20 °C)		No data available
Density :	(20 °C)	approx.	1,46 g/cm ³
Bulk density	(20 °C)		No data available
Water solubility :	(20 °C)		Soluble
pH Value	(25 °C / 1 %)		5 - 8
Log Pow	(20 °C)		not applicable
Odour threshold			Data not available
Evaporation rate			Data not available
Oxidizing properties			Not oxidising

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

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None

10.4 Conditions to avoid

Do not expose this product to high temperatures. Keep away from flames.

10.5 Incompatible materials

Organic substances. Reducing agent Keep away from flammable materials.

10.6 Hazardous decomposition products

In case of fire it can release hazardous gases/vapours. Oxides of nitrogen NOx. Oxygen.

SECTION 11: Toxicological information

The product is unlikely to be harmful for human health.

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity

Parameter : LD50 (Magnesium nitrate hexahydrate ; CAS No. : 13446-18-9)
Exposure route : Oral
Species : Rat (female)
Effective dose : > 2000 mg/kg dw
Method : OECD 423

Acute dermal toxicity

Parameter : LD50 (Magnesium nitrate hexahydrate ; CAS No. : 13446-18-9)
Exposure route : Dermal
Species : Rat
Effective dose : > 5000 mg/kg dw
Method : OECD 402

Corrosion

Not an irritant.

Repeated dose toxicity (subacute, subchronic, chronic)

Subacute oral toxicity

Parameter : NOAEL(C) (Magnesium nitrate hexahydrate ; CAS No. : 13446-18-9)
Exposure route : Oral
Species : Rat
Effective dose : >= 1500 mg/kg bw/day

SECTION 12: Ecological information

Do not allow uncontrolled discharge of product into the environment.

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

Parameter : LC50 (Magnesium nitrate hexahydrate ; CAS No. : 13446-18-9)
Species : poecilia reticulata
Effective dose : = 1378 mg/l
Exposure time : 96 h
Method : OECD 203

Acute (short-term) toxicity to crustacea

Parameter : EC50 (Magnesium nitrate hexahydrate ; CAS No. : 13446-18-9)
Species : Daphnia magna
Effective dose : = 490 mg/l

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Exposure time : 48 h

Acute (short-term) toxicity to aquatic algae and cyanobacteria

Parameter : EC50 (Magnesium nitrate hexahydrate ; CAS No. : 13446-18-9)
Species : Algae
Effective dose : 1500 mg/l
Exposure time : 10 D

Toxicity to microorganisms

Parameter : EC50 (Magnesium nitrate hexahydrate ; CAS No. : 13446-18-9)
Species : Activated sludge
Effective dose : > 1000 mg/l
Exposure time : 3 h

12.2 Persistence and degradability

Biodegradation

Not applicable to inorganic substances

12.3 Bioaccumulative potential

Does not bioaccumulate.

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.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product/Packaging disposal

Dispose according to legislation.

SECTION 14: Transport information

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

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

EU legislation

Regulation n°. 1907/2006/CE (REACH).
Regulation n°. 790/2009/CE (amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008)

Other regulations (EU)

This product is regulated by Regulation (EU) 2019/1148: all suspicious transactions, and significant disappearances and thefts should be reported to the relevant national contact point.

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

Betriebsicherheitsverordnung (BetrSichV)

No flammable liquid according to BetrSichV.

15.2 Chemical safety assessment

For this substance a chemical safety assessment is not required.

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)

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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 concernant 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

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.
