

INFORMATION SHEET

The product does not meet the criteria for classification as dangerous, therefore, the product does not have a obligation to create the SDS (Article 31 of 1907/2006/EC).

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

1.1 Product identifier: MAGNESIUM NITRATE HEXAHYDRATE

Synonyms: magnesium nitrate (REACH);
magnesium dinitrate (IUPAC)

Index number: -

EC number: 233-826-7

CAS number: 13446-18-9

Chemical formula: $Mg(NO_3)_2 \cdot 6H_2O$

Molar mass: 256,41 g/mol

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

1.2.1 Identified uses:

In accordance with Article 14.4. and section 3 of Annex VI to Regulation No. 1907/2006/EC exposure scenarios are not required. Therefore, there is no detailed information on the application.

1.2.2 Uses advised against: No data available.

1.3 Details of the supplier of the information sheet:

Przedsiębiorstwo Wielobranżowe "CENTRO-CHEM" Sp.j.
Turka 141 B, 20-258 LUBLIN 62,
tel. (81) 751 08 12,
tel./fax. (81)751 07 12,

E-mail address for a competent person responsible for the information sheet:

Bartosz Szczypiński
e-mail: bartosz@centro-chem.pl

1.4 Update info:

Date of creation: 10. 11. 2015

Date of the update: -

Revision: 1

SECTION 2: Required information specified in Art. 32 of the Regulation 1907/2006/EC (REACH).

2.1 Information which, in accordance with Art. 32 should be made available:

2.1.1 The registration number(s) referred to in Article 20(3) REACH: 01-2119491164-38-XXXX

2.1.2 Information if the substance is subject to authorization and details of any authorization granted or denied under Title VII in this supply chain: Not applicable.

2.1.3 Details of any restriction imposed under Title VIII: Not applicable.

2.1.4 Any other available and relevant information about the substance that is necessary to enable appropriate risk management measures to be identified and applied including specific conditions resulting from the application of section 3 of Annex XI: None.

Most important symptoms and effects, both acute and delayed:

Eyes - Slight irritation possible.
Skin - Slight irritation possible.
Inhalation - No data available.
Ingestion – Can cause methemoglobinemia.

Control parameters:

magnesium dinitrate

CAS number: 13446-18-9

Occupational Exposure limit values: undetermined

DNEL

Product	Type	Exposure	Value	Population	Effects
magnesium dinitrate	DNEL	Inhalation	36,7 mg/m ³	Workers	Long term, systemic
	DNEL	Dermal	20,8 mg/kg b.w./day	Workers	Long term, systemic
	DNEL	Inhalation	10,9 mg/m ³	General population	Long term, systemic
	DNEL	Dermal	12,5 mg/kg b.w./day	General population	Long term, systemic
	DNEL	Oral	12,5 mg/m ³	General population	Long term, systemic

PNEC

No data available.

SECTION 3: Handling and storage.

3.1 Precautions for safe handling:

- Avoid inhalation of dust.
- Wear appropriate personal protective equipment.
- Do not eat or drink.
- Avoid contact with eyes, skin and clothing.
- Workers should wash hands before eating, drinking and smoking.
- Eliminate sources of ignition.
- Avoid contact with flammable products and reducing agents.
- Wash hands thoroughly after working with the product, before eating, smoking and using the toilet. Wash contaminated clothing before reuse.

3.2 Conditions for safe storage, including any incompatibilities:

- Keep in properly marked, closed original container.
- Keep away from direct sources of heat.
- Storage temperature: 0 - +35 °C.

Incompatible substances: Reducing agents, flammable materials.

SECTION 4: Physical and chemical properties.

- a) Appearance: Solid – white or yellowish granules or flakes.
- b) Odour: Odourless.
- c) Odour threshold: No data available.
- d) pH: 6-7 (5% solution).
- e) Melting point/freezing point: No data available.
- f) Boiling point: > 100 °C.
- g) Flash point: Not applicable.
- h) Evaporation rate: Not applicable.
- i) Flammability (solid, gas): No data available.
- j) Upper/lower flammability or explosive limits:
 - Upper: Not applicable.
 - Lower: Not applicable.
- k) Vapour pressure: Not applicable.
- l) Vapour density: No data available.

- m) Relative density: 0,95 g/cm (25 °C).
- n) Solubility(ies): Easily soluble in cold water.
- o) Partition coefficient: n-octanol/water: Not applicable.
- p) Auto-ignition temperature: Not applicable.
- q) Decomposition temperature: >330 °C.
- r) Viscosity: No data available.
- s) Explosive properties: No explosive properties.
- t) Oxidizing properties: Yes – anhydrous.

SEKCJA 5: Other information.

5.1 Indication of changes: -

5.2 Abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienist

ADN: Accord européen relative au transport international des marchandises Dangereuses par voies de Navigation intérieures.

ADR: the european Agreement concerning the international carriage of Dangerous goods by Road.

B: Bioaccumulative

CSR: Chemical Safety Report

CSA: Chemical Safety Assessment

DNEL: Derived No Effect Level

IATA: International Air Transport Association

IBC: International Bulk Chemical code

ICAO: International Civil Aviation Organization

IMGD: International Maritime Dangerous Goods code

LC50: Lethal Concentration 50

LD50: Lethal Dose 50

LLNA: Local LymphNode Assay

MARPOL: international convention for the prevention of MARine POLLution

P: Persistent

PBT: Persistent, Bioaccumulative and Toxic

PNEC: Predicted No Effect Concentration

RID: Regulations concerning the International carriage of Dangerous goods by rail

SDS: Safety Data Sheet

STEL: Short Term Exposure Limit

TLV: Threshold Limit Value

TWA: Time Weighted Average

vPvB: very Persistent very Bioaccumulative

5.3 key literature references and sources for data:

Manufacturers safety data sheet.

IUCLID Data Bank (European Commission – European Chemicals Bureau);

ESIS – European Chemical Substances Information System (European Chemicals Bureau).

www.inchem.org

GESTIS

www.chem.unep.ch

<http://toxnet.nlm.nih.gov>

5.4 List of relevant R phrases, hazard statements, safety phrases and/or precautionary statements:
full text was written in full in sections 2 – 15.

5.5 Advice on any training appropriate for workers to ensure protection of human health and the environment:

It is recommended to train workers to ensure the protection of human health and the environment.

It is necessary for the people working with the product to read and understand this SDS.

We recommend storing the SDS in a place with easy access to it for everyone who works with the product, and (if needed) for emergency services.

5.6 Disclaimer:

The information contained in the SDS is to describe the product only from the point of safety requirements. Users of the product are responsible for creating the conditions for the safe use of the product and take responsibility for consequences resulting from improper use of this product. It is recommended to conduct training for health and safety, to ensure protection of human health and the environment.