

Safety data sheet

BioNutria Magnesium 50

Version 1.0

Effective date: 03-04-2024



SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product identifier.

Trade name: BioNutria Magnesium 50.

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

Product use: Fertilizer

1.3 Details of the Supplier of the safety data sheet:

Company: BioNutria Danmark ApS
Europavej 6
Purhus
8990 Fårup
Denmark
Tel.: +45 86 45 28 88
bio@bionutria.dk

1.4 Emergency telephone number:

Use your national or local emergency number.
United Kingdom: Contact The National Poisons Information Service (dial 111, 24 h service).

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture according to CLP No 1272/2008/GB CLP.

Not classified.

2.2 Label elements according to CLP No 1272/2008:

Not classified.

Additional information:

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2.3 Other hazards.

The product does not meet the criteria for PBT or vPvB.

This mixture does not contain substances with endocrine disrupting properties in accordance with the criteria laid down in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

This product is a mixture.

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3.2 Mixture:

CAS/EC No	REACH No	Name	Content %	Classification CLP
7487-88-9 / 231-298-2	Exempted	Magnesium sulphate	25-50	Not classified

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures.

General information:

In the case of symptoms or doubt: Contact a doctor or casualty department – take the label or this safety data sheet.

Inhalation:

Supply fresh air in case of complaints.
If symptoms persist, consult doctor.

Skin contact:

Wash skin thoroughly with soap and water.

Eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists get medical advice/attention

Ingestion:

Rinse mouth with water and spit out.
Get medical attention if symptoms persist.

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

None known.

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

Treat symptomatically.

SECTION 5. FIRE FIGHTING MEASURES

5.1 Extinguishing media:

The product itself does not burn.
Suitable extinguishing media for the surrounding fire should be used.

Unsuitable extinguishing media:

None known.

5.2 Special hazards arising from the substance or mixture:

Fire may form heavy black smoke, avoid inhalation.

5.3 Advice for firefighters:

Wear self-contained breathing apparatus and protective clothing to prevent contact.

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SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

See section 8 for personal protective equipment.

6.2 Environmental precautions:

No special precautions are necessary.

6.3 Methods and material for containment and cleaning up:

Small spills: wipe up with absorbent material (e.g. cloth, fleece).

Large spills: Use sand, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in suitable closed container for disposal, according to local regulations.

Then rinse the spillage site with plenty of water. Dispose of in accordance with section 13.

6.4 Reference to other sections:

See section 8 for personal protection.

See section 13 for disposal.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

See section 8 for personal protective equipment.

Avoid unnecessary exposure. Avoid contact with eyes.

Wash exposed areas thoroughly after use.

7.2 Conditions for safe storage, including any incompatibilities:

Store in well-closed packaging.

Store frost-free in original packaging.

7.3 Specific end use(s):

This product should only be used for applications described in section 1.2.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters - Occupational exposure limits EH-40 (Great Britain):

Contains no substances with occupational exposure limits.

DNEL/PNEC:

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8.2 Exposure controls.

Appropriate technical measures:

Normal room ventilation.

General information / Hygiene measures:

Smoking, consumption of food or liquid, and storage of tobacco, food or liquid, are not allowed in the workroom. Whenever you take a break in using this product and when you have finished using it, all exposed areas of the body must be washed. Always wash hands, forearms and face.

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Personal protective equipment:

Only CE-marked personal protection equipment should be used.

Respiratory protection:

Normally not necessary.

Hand protection:

Wear gloves in case of repeated or prolonged contact.
EN 374.

Option: Nitrile gloves or similar: ≥ 60 min.

Thickness: ≥ 0.25 mm.

Eye protection:

Wear tightly safety goggles if risk of contact. EN 166.

Body protection:

Normal work clothing.

Measures to avoid environmental exposure:

No special precautions necessary.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Physical state:	Liquid
Colour:	Product specific
Odour:	Mild
Melting point/freezing point:	Not relevant/no data
Boiling point:	100°C
Flammability:	Not flammable product
Lower and upper explosion limit:	Not relevant/no data
Flash point:	Not relevant/no data
Auto-ignition temperature:	Not relevant/no data
Decomposition temperature:	Not relevant/no data
pH:	5 - 6
Kinematic viscosity:	Not relevant/no data
Solubility:	Soluble in water
Partition coefficient n-octanol/water:	Not relevant/no data
Vapour pressure:	Not relevant/no data
Density and/or relative density:	~ 1.12 g/mL
Relative vapour density:	Not relevant/no data
Particle characteristics:	Not relevant/no data

9.2 Other information:

No data.

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity:

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability:

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions:

No dangerous known.

10.4 Conditions to avoid:

Frost.

10.5 Incompatible materials:

Avoid contact with strong oxidising agents, strong acids and strong bases.

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10.6 Hazardous decomposition products:

None at recommended storage conditions and use.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008/GB CLP.

Acute toxicity: Not classified.

Skin corrosion/irritation: Not classified.

Serious eye damage/irritation: Not classified.

Respiratory or skin sensitization: Not classified.

Germ cell mutagenicity: Not classified.

Carcinogenicity: Not classified.

Reproductive toxicity: Not classified.

Specific target organ toxicity - single exposure: Not classified.

Specific target organ toxicity – repeated exposure: Not classified.

Aspiration hazard: Not classified.

11.2 Information on other hazards:

Endocrine disrupting properties:

The product/substance has no endocrine disrupting properties.

Additional information: -

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity: Not classified.

12.2 Persistence and degradability:

The product is biodegradable.

12.3 Bioaccumulative potential:

No potential.

12.4 Mobility in soil: No data.

12.5 Result of PBT and vPvB assessment:

The product does not meet the criteria for PBT or vPvB.

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12.6 Endocrine disrupting properties:

The product/substance has no endocrine disrupting properties.

12.7 Other adverse effects: None known.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Empty packaging can be disposed of with household waste. The product is not hazardous waste. Dispose in a safe manner in accordance with local/national regulations. The coding of a waste stream is based on the application of the product by the consumer.

Contaminated packing:

Properly cleaned container is disposed of according to packaging material, otherwise for incineration.

SECTION 14. TRANSPORT INFORMATION

This product is not classified as dangerous to ADR transport.

	ADR/RID	IMDG/IMO
14.1 UN number or ID number	Not relevant	Not relevant
14.2 UN proper shipping name	Not relevant	Not relevant
14.3 Transport hazard class(es)	Not relevant	Not relevant
14.4 Packing group	Not relevant	Not relevant
14.5 Environmental hazards – MP EmS:	No Not relevant	No Not relevant
Other informations	LQ: Not relevant TUNNEL: Not relevant	LQ: Not relevant TUNNEL: Not relevant

14.6 Special precautions for user:

Not relevant.

14.7 Maritime transport in bulk according to IMO instruments:

Not relevant.

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SECTION 15. REGULATORY INFORMATION

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

Sources:

Current ADR regulations 2023. Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 2013. Regulation (EU) 2016/425 of 9 March 2016 on personal protective equipment. Hazardous Waste (England and Wales) Regulations 2005 (as amended). EC regulation 1907/2006 (REACH) Directive 2000/532/EC. Seveso directive: 96/82/EC. EC regulation No 2020/878. CLP regulation No 1272/2008. REACH regulation 1907/2006. GB CLP.

Additional information:

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15.2 Chemical safety assessment:

Chemical safety assessment has not been carried out.

SECTION 16. OTHER INFORMATION

Full text of H-phrases as mentioned in section 3:

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Additional information:

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Descriptions of possible used abbreviations:

BCF Bioconcentration factor.

BOD Biochemical Oxygen Demand.

CAS Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances).

COD Chemical oxygen demand.

DNEL Derived No-Effect Level.

EC50 Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval.

IMDG International Maritime Dangerous Goods Code.

LC50 Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval.

LD50 Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval.

log KOW n-Octanol/water.

MARPOL International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant").

PBT Persistent, Bioaccumulative and Toxic.

PNEC Predicted No-Effect Concentration.

UN RTDG UN Recommendations on the Transport of Dangerous Good.

vPvB Very Persistent and very Bioaccumulative.

Validated by:

SRS

www.msds-eu.com