

Safety information sheet

Version: 1.0 EN

Magnesium citrate powder, E 345i

Article number: D10386

This document has been prepared as a communication tool to inform downstream users about both the status of the substance under REACH and CLP, some of its essential properties and the guidance on safe use. An extended safety data sheet (SDS) is not required for this substance under Article 31 of REACH Regulation (EC) No 1272/2008, including the amending Regulation (EU) 2020/878. As a result, the format and content of this document does not comply with the framework for safety data sheets set out in Commission Regulation (EU) No 453/2010 amending Regulation (EC) No 1907/2006.

1 Identification of the substance/mixture and the company

1.1 Product identifier

Name	Magnesium citrate powder – trimagnesium citrate, E 345i
CAS number	3344-18-1
EC number	222-093-9
REACH registration	-

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

Description/use	Magnesium citrate is used as a highly concentrated source of magnesium in dietary supplements, dry mixes, foods and beverages. It can also be used in cosmetic formulations. For further information on specific applications, please contact us at the telephone number provided – we will be happy to put you in touch with the relevant specialist department.
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1.3 Details of the supplier providing the safety information sheet

Company	DistrEbution GmbH
Adress	Brookdeich 40 21029 Hamburg Germany
Telephone	+49 40 609 2387 60
E-Mail	info@distrebution.com

1.4 Emergency number

+49 40 609 2387 60 (Business hours: Mon - Thu: 8 a.m.- 5 p.m. / Fri: 8 a.m. – 4 p.m.)

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2 Potential hazards

2.1 Classification of the substance or mixture

Not classified according to Chemicals Regulation (EC) Nr.1272/2008.

2.2 Label elements

Not subject to classification according to Regulation (EC) No 1272/2008.

2.3 Other hazards

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3 Composition/information on ingredients

Chemical	Magnesium citrate powder – trimagnesium citrate, E 345i
characterization:	
CAS number	3344-18-1
EC number	222-093-9
REACH registration	-
Hazardous ingredients	-
Nanoparticles	No nanoparticles according to Regulation (EU) 2018/1881

4 First-aid measures

4.1 Description of first-aid measures

In case of emergency, seek medical attention. Show the safety data sheet to the doctor treating you.

After eye contact

Rinse eyes with clean water for at least 15 minutes. Consult a doctor.

After skin contact

Remove contaminated clothing immediately. Wash skin thoroughly with soap and water. Consult a doctor.

Inhalation or ingestion

Move the affected person to fresh air. Administer oxygen if breathing is difficult. Perform artificial respiration if breathing has stopped. Seek medical attention immediately if the substance has been ingested. Do not perform mouth-to-mouth resuscitation if the chemical has been inhaled or swallowed. Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Contact a doctor or poison control centre immediately.

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4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

5 Firefighting measures

5.1 Extinguishing agents

Suitable extinguishing agents

Dry extinguishing agents, carbon dioxide (CO₂), alcohol-resistant foam

Unsuitable extinguishing agents

No information available

5.2 Special hazards arising from the substance or mixture

No information available

5.3 Advice for firefighters

Protective equipment for firefighters

Wear self-contained breathing apparatus.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Do not inhale mist, gases and vapours. Avoid contact with skin and eyes. Wear suitable personal protective equipment and chemical-resistant gloves. Ensure adequate ventilation. Remove sources of ignition. Evacuate people from the danger zone and secure them against the wind direction.

6.2 Environmental precautions

Prevent further release if safe to do so. Prevent entry into drains or waterways.

6.3 Methods and material for containment and cleaning up

Dispose of collected material in accordance with local regulations. Collect product in suitable, sealed containers. Remove sources of ignition. Use only spark-free, explosion-proof equipment. Collected or bound material must be disposed of immediately and in accordance with regulations.

6.4 Reference to other sections

See section 7 for information on safe handling.

See section 8 for information on personal protective equipment.

See section 13 for information on disposal.

7 Handling and storage

7.1 Precautions for safe handling

Work in well-ventilated areas. Wear suitable protective clothing. Avoid contact with skin and eyes. Avoid dust and aerosol formation. Use non-sparking tools. Take measures to prevent electrostatic discharge.

7.2 Conditions for safe storage, including any incompatibilities

Store containers tightly closed in a dry, cool and well-ventilated place. Store separately from foodstuffs and incompatible materials.

7.3 Specific end uses

No further relevant information available.

8 Exposure controls/personal protective equipment

8.1 Parameters to be monitored

No information available.

8.2 Limitation and monitoring of exposure

8.2.1 Appropriate engineering controls

Ensure adequate ventilation. Handling should be carried out in accordance with the principles of good occupational hygiene and safety precautions. Keep emergency exits and hazard prevention measures ready.

8.2.2 Personal protective equipment

Respiratory protection

If exposure limits are exceeded or irritation occurs, a full-face respirator must be used.

Hand protection

Wear fire/flammable-resistant and impermeable protective clothing. Check protective gloves for integrity before use. Wash and dry hands. The selected gloves must comply with the requirements of EU Directive 89/686/EEC and standard EN 374.

Eye protection

Wear tightly fitting safety goggles with side protection in accordance with EN 166 (EU) or NIOSH (USA).

Other protective measures

No information available.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	Granular powder
Colour	White to light yellow
Odour	No data available
pH value	No data available
Melting point	No data available
Boiling point	309°C at 760 mmHg
Decomposition point	No data available
Flash point	155°C
Ignition temperature	No data available
Flammability	No data available
Lower explosion limit	No data available
Upper explosion limit	No data available
Kinematic viscosity	No data available
Solubility	No data available
Partition coefficient	No data available
n-octanol/water (log value)	No data available
Vapour pressure	No data available
Density	No data available

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Relative vapour density

No data available

Particle properties

No data available

9.2 Other information

No further data available.

10 Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

No data available

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

No data available

11 Toxicological information

11.1 Information on hazard classes according to Regulation (EC) No. 1272/2008

Acute oral toxicity	No data available
Acute dermal toxicity	No data available
Acute inhalation toxicity	No data available
Skin corrosion/irritation	No data available
Serious eye damage/irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
Specific target organ toxicity (single exposure)	No data available
Specific target organ toxicity (repeated exposure)	No data available
Aspiration hazard	No data available

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11.2 Information on other hazards

Endocrine disrupting properties

No data available

12 Environmental information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Other adverse effects

No data available

12.6 Other information

No data available

13 Disposal instructions

13.1 Waste treatment methods

Product disposal

The product can be disposed of via an approved chemical disposal facility or by controlled incineration with flue gas cleaning. Contamination of water, food, feed or seed through storage or disposal must be avoided. Do not discharge into the sewage system.

Disposal of packaging

Packaging can be rinsed three times (or cleaned equivalently) and sent for recycling or reuse. Alternatively, the packaging can be rendered unusable and disposed of in an approved landfill. Controlled incineration with flue gas cleaning is possible for combustible packaging materials.

14 Transport information

14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

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14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

14.4 Packing group

No data available

14.5 Environmental hazards

No data available

14.6 Special precautions for user

No data available

14.7 Transport in bulk by sea according to IMO regulations

No data available

15 Legislation

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

List	Status
European Inventory of Existing Commercial Chemical Substances (EINECS)	Listed
EC Inventory	Listed
US TSCA Inventory	Not Listed
China Catalogue of Hazardous Chemicals 2015	Not listed
New Zealand Inventory of Chemicals (NZIoC)	Listed
Philippine Inventory of Chemicals (PICCS)	Not Listed
Vietnam National Inventory of Chemicals	Listed
China IECSC	Listed
Korea Existing Chemicals List (KECL)	Not listed

15.2 Chemical safety assessment

No substance safety assessment has been carried out for this substance.

16 Other information

16.1 Abbreviations and acronyms

ADR – European Agreement concerning the International Carriage of Dangerous Goods by Road

RID – Regulations concerning the International Carriage of Dangerous Goods by Rail

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IMDG – International Maritime Dangerous Goods Code

IATA – International Air Transport Association

GHS – Globally Harmonised System of Classification and Labelling of Chemicals

EINECS – European Inventory of Existing Commercial Chemical Substances

CAS – Chemical Abstracts Service

EC50 – Effective concentration, 50%

LC50 – Lethal concentration, 50%

LD50 – Lethal dose, 50%

TWA – Time Weighted Average

STEL – Short Term Exposure Limit

PBT – Persistent, bioaccumulative and toxic

vPvB – Very persistent and very bioaccumulative

16.2 SVHC

The substances on the ECHA list (<http://echa.europa.eu/en/candidate-list-table>) are neither expected to be present in our products nor are they intentionally used in the production process. Our products do not come into contact with these substances during production. However, it is not possible to completely rule out traces of these substances: due to natural impurities or raw material-related properties, an unintentional content of less than 0.1% cannot be completely ruled out.

16.3 Note for users

The information in this data sheet is based on our current knowledge at the time of the last revision. The user is responsible for checking the suitability and completeness of the information in relation to the specific use of the product.

This document does not constitute a guarantee for specific properties of the product. As we have no direct influence on the use of the product, the user is obliged to comply with all applicable laws, regulations and safety and hygiene provisions on his own responsibility. We accept no liability for improper use. Personnel entrusted with the handling of chemicals must be appropriately trained.