

# 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. |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### 1.3 Details of the supplier providing the safety information sheet

|           |                                           |
|-----------|-------------------------------------------|
| Company   | DistrEbution GmbH                         |
| Adress    | Brookdeich 40<br>21029 Hamburg<br>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.)

## 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

-

## 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.

**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 (CO<sub>2</sub>), 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/flame-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     |

28.07.2025

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 |

28.07.2025

## 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.

28.07.2025

## 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

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.