Safety Data Sheet (SDS)

According to Regulation (EC) No. 1907/2006 (REACH)
Product: Magnesium L-Threonate
CAS number: 778571-57-6
Revision date: 13 March 2026

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1. Identification of the substance and of the company

Product identifier

Product name: Magnesium L-Threonate
CAS number: 778571-57-6

Synonyms: Magnesium L-threonate hydrate; magnesium bis(L-threonate)

Relevant identified uses

Chemical reference material
Laboratory research and analytical applications

Not intended for food, drug, cosmetic or household use.

Supplier

Rexar
Genestetstraat 3
2394 XK Hazerswoude
Netherlands

Email: info@rexar.nl

Emergency information

Contact local poison control centre.

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2. Hazards identification

Classification according to Regulation (EC) No. 1272/2008 (CLP)

Not classified as hazardous.

Label elements

Pictograms: None
Signal word: None
Hazard statements: None

Other hazards

Dust may cause mild irritation to eyes, skin or respiratory tract.
Handle in accordance with standard laboratory safety practices.

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3. Composition / information on ingredients

Substance: Magnesium L-Threonate

CAS number: 778571-57-6

Molecular formula: C8H14MgO10

Molecular weight: 294.49 g/mol

Purity: typically ≥98%

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4. First aid measures

General advice

Remove affected person from exposure and ensure fresh air.

Inhalation

Move person to fresh air. Seek medical advice if symptoms persist.

Skin contact

Wash thoroughly with soap and water.

Eye contact

Rinse cautiously with water for several minutes.

Ingestion

Rinse mouth with water. Seek medical advice if symptoms occur.

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5. Firefighting measures

Suitable extinguishing media

Water spray
Carbon dioxide
Dry chemical powder
Foam

Special hazards

Combustion may produce carbon oxides.

Protective equipment

Firefighters should wear self-contained breathing apparatus.

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6. Accidental release measures

Personal precautions

Avoid dust formation and inhalation. Use appropriate protective equipment.

Environmental precautions

Prevent entry into drains or waterways.

Cleanup methods

Collect material mechanically and place in a suitable waste container.

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7. Handling and storage

Handling

Use standard laboratory safety practices. Avoid unnecessary dust formation.

Storage

Store in a tightly sealed container in a cool, dry and well-ventilated area.

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8. Exposure controls / personal protection

Exposure limits

No occupational exposure limits established.

Engineering controls

Use adequate ventilation.

Personal protective equipment

Eye protection: safety glasses
Gloves: chemical-resistant gloves
Respiratory protection: dust mask if dust is generated

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9. Physical and chemical properties

Appearance: white crystalline powder
Odor: odorless

Solubility: soluble in water

Molecular formula: C8H14MgO10

Molecular weight: 294.49 g/mol

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10. Stability and reactivity

Chemical stability

Stable under recommended storage conditions.

Conditions to avoid

Excessive heat
Moisture

Hazardous decomposition

Carbon oxides

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11. Toxicological information

No significant toxicological hazards identified based on available data.

Exposure routes may include inhalation of dust, ingestion, skin contact and eye contact.

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12. Ecological information

Limited ecological data available.

Avoid release into the environment.

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13. Disposal considerations

Dispose of material in accordance with local regulations.

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14. Transport information

Not classified as dangerous goods according to transport regulations:

ADR (road)
IMDG (sea)
IATA (air)

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15. Regulatory information

This product is supplied as a **chemical reference material for laboratory use**.

Not classified as hazardous according to Regulation (EC) No. 1272/2008.

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16. Other information

This Safety Data Sheet provides information for safe handling in laboratory environments.

The product is supplied **for research and analytical use only**.