

MAGNESIUM STEARATE

Safety Data Sheet

According to REACH Regulation (1907/2006/EC) and Regulation (EU) 2020/878

Date of Issue : 01-01-2026
Last revision date. :

Revision: 00

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

1.1. Product identifier

Name: Magnesium stearate

Chemical name (IUPAC): Magnesium bis (Octadecanoate)

CAS number: 557-04-0

EC number: 209-150-3

Registration number under REACH Regulation: A registration number is not available for this substance as the substance or its uses are exempted from registration or the annual tonnage does not require a registration.

Nanoform: Not applicable

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

Identified uses:

Manufacture of substances

Uses advised against:

No data available.

1.3. Details of the supplier of the safety data sheet

Manufacturer, Importer, or Distributor: **Manufacturer**

Name: Waylink Life Science Private Limited

Full address: **Corporate office:**

7, G. C. Avenue, Floor No. 4, Room No. 5 Kolkata – 700013
West Bengal India.

Manufacturing Premises Situated At:

Waylink Life Science Private Limited,
D-7B, D-8 & D-16, Panki Industrial Area, Site-1,
Kanpur – 208022, Uttar Pradesh, India.

E-mail address of the competent person responsible for the Safety Data Sheet: marketing@waylinklifescience.com

1.4. Emergency telephone number

Emergency Phone: (+91) 6291111373 (Mr. Arun Kr Baid – Director)

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 on classification, labelling and packaging:

Acute toxicity (oral), Category 4, H302 Skin
irritant, Category 2, H315
Eye irritation, Category 2, H319
Specific target organ toxicity — single exposure, Category 3, H335 Hazardous to the
aquatic environment, Chronic Hazard Category 3, H412

2.2. Label elements



WARNING

Hazard Statements:

H302: Harmful if swallowed. H315:
Causes skin irritation.
H319: Causes serious eye irritation. H335:
May cause respiratory irritation.
H412: Harmful to aquatic life with long lasting effects.

Precautionary Statements:

P264: Wash hands thoroughly after handling.
P270: Do not eat, drink, or smoke when using this product.
P280: Wear protective gloves/protective clothing/eye protection/face protection. P301+P312: IF
SWALLOWED: Call a POISON CENTRE/doctor/... if you feel unwell. P302+P352: IF ON SKIN: Wash
with plenty of water/...
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3. Other hazards

PBT/vPvB: No data available.
Endocrine disrupting properties: Not applicable

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**3.1. Substances:**

Chemical name: Stearic acid magnesium salt

CAS number: 557-04-0

EC number: 209-150-3

Index number under CLP Regulation: Not available.

Registration number under REACH Regulation: Not available for this substance as the substance or its uses are exempted from registration

Nanoform: Not applicable

3.2 Mixtures:

Not applicable. This product is a single-constituent substance.

SECTION 4. FIRST AID MEASURES**4.1. Description of first aid measures****4.1.1. General information:**

In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible).

4.1.2. Following inhalation:

Remove casualty to fresh air and keep warm and at rest.

4.1.3. After skin contact:

Take off contaminated clothing.

After contact with skin, wash immediately with plenty of water/shower.

4.1.4. Following eye contact:

In case of contact with eyes, rinse immediately with plenty of water. Remove contact lenses.

4.1.5. After swallowing:

After swallowing, make victim drink water (two glasses at most). Consult doctor if feeling unwell.

4.1.6. Self-protection of the first aider:

First aid assistant: Pay attention to self-protection!

4.2 Most important symptoms and effects, both acute and delayed

No significant acute or delayed health effects are known for this product.

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

No data available.

SECTION 5. FIREFIGHTING MEASURES**5.1. Extinguishing media**

Suitable extinguishing media:

Water,
Foam.
Carbon dioxide (CO₂),
Dry powder.

Extinguishing media which must not be used for safety reasons:
For this substance/mixture no limitations of extinguishing agents are given.

5.2. Special hazards arising from the substance or mixture

Carbon oxides
Magnesium oxide
Combustible.
Risk of dust explosion.
Development of hazardous combustion gases or vapours possible in the event of fire.

5.3. Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures**

Avoid inhalation of dust. Evacuate the danger area, observe emergency procedures, consult an expert.

6.2 Environmental precautions

No special precautionary measures necessary

6.3. Methods and material for containment and cleaning up

Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

6.4. Reference to other sections

See protective measures under point 8 and 13.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on protection against fire and explosions

Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge.

Hygiene measures Change contaminated clothing.

Wash hands after working with substance. For precautions see section 2.2.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Store in cool and dry place in room temperature.

7.3. Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Ingredients with workplace control parameters

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Technical conditions and measures at process level (source) to prevent release

8.2.2. Individual protection measures, such as personal protective equipment

Respiratory protection:

Recommended.

Hand protection:

Wear suitable gloves

Eye protection:

Recommended.

Skin protection:

Wear suitable protective clothing.

General protection and hygiene measures:

Take off contaminated clothing.

Wash hands thoroughly after handling.

8.2.3. Environmental exposure controls

No special precautionary measures necessary.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state, colour:	Solid, fine powder; White or almost white.
Odour:	Odorless or faint fatty odor.
pH:	~ 7–9 (10 g/L suspension in water).
Melting point:	~ 130–150 °C (decomposes).
Freezing point:	Not applicable, the substance is solid.
Boiling point / Range	Not applicable (decomposes before boiling).
Flash point:	Not applicable, the substance is solid.
Flammability (solid, gas):	Product is not classified as flammable; may form combustible dust clouds.
Lower and upper explosion limit:	Not applicable, the substance is solid.
Vapour pressure:	Negligible.
Relative density / bulk density:	Density ~ 1.0–1.1 g/cm ³ ; Bulk density ~ 0.15–0.30 g/cm ³
Solubility:	Practically insoluble in water, soluble in anhydrous ethanol & chloroform; slightly soluble in ether.
Partition coefficient n-octanol/water (log value):	Not determined
Kinematic viscosity:	Not applicable, the substance is solid.
Vapour density:	Not applicable, the substance is solid.
Evaporation rate:	Not applicable, the substance is solid.
Auto-ignition temperature:	Not applicable, the substance is solid.
Decomposition temperature:	> 200 °C (thermal decomposition).
Particle characteristics:	The product does not contain nanoforms. Typically supplied as powder or granules; particle size varies by grade.

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Explosives:	Not explosive; dust may pose explosion risk under certain conditions
Aerosol:	Not applicable (product is supplied as a solid/powder/granules).
Gases under pressure:	Not applicable (the substance is a solid)
Self-heating substances and mixtures:	Not self-heating.
Substances and mixtures, which emit flammable gases in contact with water:	Does not emit flammable gases.
Self-reactive substances and mixtures:	Not self-reactive.
Pyrophoric liquids:	Not applicable (the substance is a solid)
Pyrophoric solids:	Not pyrophoric.
Flammable liquids:	Not applicable (the substance is a solid)
Flammable gases:	Not applicable (the substance is a solid)
Flammable solids:	Not classified as flammable solid.
Oxidising liquids:	Not applicable (the substance is a solid)
Oxidising gases:	Not applicable (the substance is a solid)
Oxidising solids:	There are no chemical groups that indicate oxidizing properties.
Organic peroxides:	Not applicable (the substance is a solid).
Corrosive to metal:	Not corrosive to metals.

Desensitised explosives:	No data available.
9.2.2. Other safety characteristics	
No data available.	

SECTION 10. STABILITY AND REACTIVITY**10.1. Reactivity**

See section 10.5.

10.2. Chemical stability

Stable.

10.3. Possibility of hazardous reactions

Violent reactions possible with strong oxidizing agents.

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

In the event of fire: see section 5

SECTION 11. TOXICOLOGICAL INFORMATION

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

11.1.1. acute effects (acute toxicity, irritation and corrosivity)

11.1.1.1. LD50 oral:	> 10,000 mg/kg bw (low acute toxicity)
11.1.1.2. LD50 dermal:	No data available
11.1.1.3. LC50 inhalation:	No data available
11.1.1.4. Skin corrosion / irritation:	No data available
11.1.1.5. Serious eye damage / irritation:	No data available
11.1.1.6. Specific target organ toxicity – single exposure:	No data available

11.1.2. Sensitization

Respiratory sensitization: No data available
Skin sensitization: No data available

11.1.3. Repeated dose toxicity

Specific target organ toxicity — repeated exposure: No data available

11.1.4. CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity: No data available
Germ cell mutagenicity: No data available
Reproductive toxicity: No data available

Reproductive toxicity, effects on or via lactation: No data available

11.1.5. Aspiration hazard

No data available

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Not applicable.

11.2.2. Other information

No data available.

SECTION 12. ECOLOGICAL 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. Results of PBT and vPvB assessment

No data available.

12.6. Endocrine disrupting properties

This substance/mixture does not contain any components identified as having endocrine-disrupting properties for human health or the environment in accordance with Article 57(f) of REACH, the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605, or classified as endocrine disruptors under Regulation (EC) No 1272/2008 as amended by Commission Regulation (EU) 2023/707, at concentrations $\geq 0.1\%$ (w/w).

12.7. Other adverse effects

No data available.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

No data available

SECTION 14. TRANSPORT INFORMATION

14.1. UN number or ID number:

Not a hazardous material with respect to these transportation regulations.

14.2. UN proper shipping name:

Not a hazardous material with respect to these transportation regulations.

14.3. Transport hazard class(es):

Not a hazardous material with respect to these transportation regulations.

14.4. Packing group:

Not a hazardous material with respect to these transportation regulations.

14.5. Environmental hazards:

Not a hazardous material with respect to these transportation regulations.

14.6. Special precautions for user

No data available.

14.7. Maritime transport in bulk according to IMO instruments:

Not applicable

SECTION 15. REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2. Chemical safety assessment

Not carried out.

SECTION 16. OTHER INFORMATION

Revision 00: Safety Data Sheet format prepared as per EU-REACH guidelines for Magnesium Stearate.

The information contained in this brochure is a guide for the user and based on both reference texts and on our own experience. It is intended to reflect the current state of the art but shall under no circumstances compromise our liability. This information cannot be used as a substitute for patented processes. Users shall comply with the legal dispositions and regulations in force, particularly those relating to Health and Safety and the Storage and Transport of Dangerous Goods.

Abbreviations:

CAS – Chemical Abstracts Service

CLP – Classification, Labelling and Packaging Regulation (EC) No 1272/2008

EC – European Community

ECHA – European Chemicals Agency

IATA – International Air Transport Association

IMDG – International Maritime Dangerous Goods Code

IMO – International Maritime Organization

LC₅₀ – Lethal Concentration, 50%

LD₅₀ – Lethal Dose, 50%

PBT – Persistent, Bioaccumulative and Toxic

REACH – Registration, Evaluation, Authorisation and Restriction of Chemicals

SDS – Safety Data Sheet

STOT – Specific Target Organ Toxicity

vPvB – very Persistent and very Bioaccumulative