

## SAFETY DATA SHEET

### Magnesium Stearate HS

#### SECTION 1 : Identification

##### 1.1 Product identifier:

**Product name:** Magnesium Stearate HS

**Chemical name:**

Magnesium distearate

**CAS-No.:**

557-04-0

**INCI Name:**

MAGNESIUM STEARATE

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

Identified uses:	Uses advised against:
Pharmaceuticals.Lubricant	No data available.

##### 1.3 Details of the supplier of the safety data sheet:

**Supplier:**

Crest Cellulose Private Limited.  
Plot no: 12 & 13, Block-B, APIIC Industrial Park.  
Menakur Village, Naidupet Mandal, SPSR Nellore  
District, Andhra Pradesh - 524421 - INDIA

**Telephone:** +91 9341062212

**E-mail:** sagar.suravashi@roquette.com

##### 1.4 Emergency telephone number:

World directory of poisons centres : [http://www.who.int/gho/phe/chemical\\_safety/poisons\\_centres\\_text/en/](http://www.who.int/gho/phe/chemical_safety/poisons_centres_text/en/)

#### SECTION 2: Hazards identification

##### 2.1 Classification of the substance or mixture:

The product has not been classified as dangerous according to GHS.

##### 2.2 Label elements:

Not applicable

##### 2.3 Other hazards:

Dust may form an explosive mixture in the atmosphere.

#### SECTION 3: Composition/information on ingredients

##### 3.1 Substance:

Chemical name	Concentration	CAS-No.
Magnesium distearate	>=95 - <=100%	557-04-0

#### SECTION 4: First aid measures

##### 4.1 Description of first aid measures:

**Inhalation:**

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

**Eye contact:**

Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention if symptoms occur.

**Skin contact:** Wash skin thoroughly with soap and water for several minutes. If skin irritation or an allergic skin reaction develops, get medical attention.

**Ingestion:** Do not induce vomiting. Rinse mouth thoroughly. Never give liquid to an unconscious person. Get medical attention 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:**

**Treatment:** Treat symptomatically.

## SECTION 5: Firefighting measures

**5.1 Extinguishing media:**

**Suitable extinguishing media:** Water spray.

**Unsuitable extinguishing media:** Dry chemicals or foams.

**5.2 Special hazards arising from the substance or mixture:** Fire or excessive heat may produce hazardous decomposition products. Dust may form an explosive mixture in the atmosphere. See Section 10.

**5.3 Advice for firefighters:**

**Special Fire Fighting Procedures:** Prevent dust cloud.

**Special protective equipment for fire-fighters:** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

## SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures:** See Section 8 of the SDS for Personal Protective Equipment.

**6.2 Environmental precautions:** Avoid release to the environment.

**6.3 Methods and material for containment and cleaning up:** Remove material, as much as possible, using mechanical equipment. Prevent dust cloud. Collect and dispose of spillage as indicated in section 13 of the SDS.

## SECTION 7: Handling and storage

**7.1 Precautions for safe handling:**

Avoid contact with eyes and prolonged skin contact. Avoid generation and spreading of dust. Ground container and transfer equipment to eliminate static electric sparks. Must not be handled in confined space without sufficient ventilation. Provide sufficient ventilation for operations causing dust formation. See Section 8 of the SDS for Personal Protective Equipment.

**7.2 Conditions for safe storage, including any incompatibilities:**

Store in a cool, dry and ventilated location. Keep containers tightly closed. Store between 5°C and 30°C to prolong shelf life.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters:****Occupational exposure limits:**

This product does not contain any components >1% with specific occupational exposure limits.

**8.2 Appropriate engineering controls:**

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. Eye washes and showers for emergency use.

**8.3 Individual protection measures, such as personal protective equipment:****Eye/face protection:**

Wear dust-resistant safety glasses where there is danger of eye contact.

**Skin protection:****Hand Protection:**

Chemical resistant gloves. Safety gloves must conform to EN374.

**Other:**

Wear appropriate clothing to prevent repeated or prolonged skin contact.

**Respiratory Protection:**

In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment with particle filter (type P1).

**Hygiene measures:**

Handle the product in accordance with the good hygiene practices and safety instructions.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties:**

<b>Physical State:</b>	solid
<b>Form:</b>	Powder
<b>Water, moisture:</b>	< 6 %
<b>Color:</b>	White
<b>Odor:</b>	Slight odor
<b>pH:</b>	4.5 - 7.0
<b>Melting Point:</b>	~ 88 °C
<b>Boiling Point:</b>	Not Applicable
<b>Flash Point:</b>	Not Applicable
<b>Vapor pressure:</b>	Not Applicable
<b>Vapor density (air=1):</b>	Not Applicable
<b>Relative density:</b>	~ 1.028

<b>Solubility in Water:</b>	Slightly Soluble at 20 °C
<b>Solubility (other):</b>	Alcohols.
<b>Decomposition Temperature:</b>	> 200 °C
<b>Explosive properties:</b>	- CHILWORTH -Data from similar product.
<b>Ignition Temperature:</b>	~ 510 °C (EN 50281-2-1) MIT in Cloud. > 400 °C (EN 50281-2-1) 5 mm layer (Glowing Temperature).
<b>MIE (Minimum Ignition Energy):</b>	5 - 6 mJ (EN 13821 (Without Inductance)) Extremely sensitive to ignition by an electrostatic phenomenon.
<b>Pmax (Maximum Explosion OverPressure) ±10%:</b>	~ 8.4 bar (EN 14034-1)
<b>Kst value (±20%):</b>	~ 276 barm/s (EN 14034-2)
<b>Dust Explosion Class:</b>	st 2 (VDI 3673)
<b>Moisture:</b>	~ 2.75 % (ISO 589)
<b>Mv (Median value):</b>	~ 6.98 µm (NFX 11-666)
<b>Other Data:</b>	LEL (Lower Explosion limit) : 30-60 g/m3 BZ (Combustion class) : 2

## 9.2 Other information:

<b>Molecular weight:</b>	591.27 g/mol
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## SECTION 10: Stability and reactivity

<b>10.1 Reactivity:</b>	Oxidizing agents. Oxidative Degradation
<b>10.2 Chemical stability:</b>	Material is stable under normal conditions.
<b>10.3 Possibility of hazardous reactions:</b>	No hazardous reactions under ordinary conditions of use and storage.
<b>10.4 Conditions to avoid:</b>	Prevent dust cloud. Dust clouds may be explosive under certain conditions. Avoid dust close to ignition sources.
<b>10.5 Incompatible materials:</b>	Strong oxidizing substances.
<b>10.6 Hazardous decomposition products:</b>	Carbon Dioxide. Carbon Monoxide.

## SECTION 11: Toxicological information

The ingredients of this product are not classified as carcinogenic by the ACGIH, the CIRC, the OSHA or the NTP.

### 11.1 Information on toxicological effects:

#### Acute toxicity :

Test / Substance	Species	Type / Result	Exposure	Remarks
Test not published. Product	Rat	LD50 - Oral >10g/kg		- Literature Reference -
Test not published. Product	Rat	LD50 - Inhalation > 2 mg/l		- Literature Reference -

**Skin irritation. :**

Test / Substance	Species	Result	Exposure	Remarks
Test not published. Product	Rabbit	Not classified.	24 h	- Literature Reference -

**Serious eye irritation :**

Test / Substance	Species	Result	Exposure	Remarks
Test not published. Product	Rabbit	Not classified.		- Literature Reference -

**Sensitization :** No data available.

**Repeated dose toxicity :** No data available.

**Mutagenesis :**

Test / Substance	Type	Species	Result	Remarks
Test not published. Product		S. typhimurium	Negative	- Literature Reference -

**Carcinogenicity:** No data available.

**Reproductive toxicity:** No data available.

## SECTION 12: Ecological information

There are no data on the ecotoxicity of this product.

**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:** None known.

## SECTION 13: Disposal considerations

**13.1 Disposal methods:**

**Product:** Dispose of waste in an appropriate authorized treatment facility in accordance with regulations in force and product characteristics at time of disposal.

**Packaging material:** Single use packaging. Collect for salvage or disposal.

## SECTION 14: Transport information

**14.1 - 14.4 This material is not subject to transport regulations (IMDG, ICAO/IATA, ADR/RID, ADN).**

**14.5 Environmental hazards:** Not regulated.

**14.6 Special precautions for user:** No special precautions.

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.

## SECTION 15: Regulatory information

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

This Safety Data Sheet is in conformity with appendix 4 of the GHS (Globally Harmonised System of Classification and Labelling of Chemicals).

## SECTION 16: Other information

**Revision Information:** Not relevant.

**Key literature references and sources for data:** ToxNet Database.  
HSDB Database.  
COSMETICS INGREDIENT REVIEW (PERSONAL CARE PRODUCTS COUNCIL)

### Abbreviations and acronyms used in the SDS.:

CAS: Chemical Abstracts Service (division of the American Chemical Society)  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals

### Disclaimer:

The information provided in this Safety Data Sheet (SDS) relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. It is the responsibility of the user to be aware of and to follow the regulations applying to our product for its possession, handling and use.

The information given is designed only as a guidance and is not to be considered a warranty or quality specification.

All information and instructions provided in this SDS are based on the current state of our knowledge at the latest revision date indicated.