

MATERIAL SAFETY DATA SHEET

SECTION 1. PRODUCT IDENTIFICATION

Product Name : Magnesium Stearate

Chemical Formula : $C_{36}H_{70}MgO_4$

Synonym : Magnesium Stearate

Company Identification : LasaSupergenericsLimited
C-105, Mahadind area, Khaire, Birwadi, Tal- Mahad,
(Dist. - Raigad), Pin : 402309, Telephone No. -
+91-02145-232101, 232201

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

| CAS# | Chemical Name | Percent by Weight |
|----------|--------------------|-------------------|
| 557-04-0 | Magnesium Stearate | 100.0 % |

SECTION 3. HAZARD IDENTIFICATION

A. EMERGENCY OVERVIEW:

Physical Appearance and Odor: white powder solid, odorless.

Warning Statements:

Based on currently available data, this product does not meet the regulatory definition of a hazardous substance. However, good industrial hygiene practices should be used in handling it.

Classification of the substance/preparation

This product is classified as) not hazardous according to Regulation (EC) 1272/2008(GHS)/ 29 CFR 1910.1200(g). There is no obligatory labelling requirement according to the Directive covering preparations 1999/45/EC.

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms:

Signal word: - Non Hazardous

H phrases :-

P phrases :-

| | |
|-----|--|
| 102 | Keep out of reach of children |
| 260 | Do not breathe dust/fume/gas/mist/vapour/spray |
| 270 | Do not eat, drink or smoke when using this product |



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B.Potential Acute Health Effects:

Hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available. **MUTAGENIC EFFECTS:** Not available. **TERATOGENIC EFFECTS:** Not available.

DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to liver, skin. Repeated or prolonged exposure to the substance can produce target organs damage

SECTION 4. FIRST AID

FIRST AID MEASURES FOR ACCIDENTAL:

Eye Exposure:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. WARM water MUST be used. Get medical attention if irritation occurs.

Skin Exposure:

Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention

Ingestion:

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband

MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE:

Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis. Skin contact may aggravate existing skin disease.

NOTES TO PHYSICIAN:

All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to material other than this product may have occurred .

Treat symptomatically . No specific antidote available .

SECTION 5. FIRE AND EXPLOSION

FIRE HAZARD DATA:

Flash Point:

Not Applicable

Extinguishing Media:

Not combustible. Use extinguishing method suitable for surrounding fire.

Special Fire Fighting Procedures:

Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later.

Unusual Fire and Explosion Hazards:

Not combustible.

Hazardous Decomposition Materials (Under Fire Conditions):

none known



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SECTION 6. ACCIDENTAL RELEASE MEASURES

Evacuation Procedures and Safety

Ventilate closed spaces before entering. Wear appropriate protective gear for the situation. See Personal Protection information in Section 8

Containment of Spill:

Follow procedure described below under Cleanup and Disposal of Spill. Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements

Cleanup and Disposal of Spill:

Scrape up and place in appropriate closed container (see Section 7: Handling and Storage). Clean up residual material by washing area with water. DO NOT RETURN MATERIAL TO ITS ORIGINAL CONTAINER. Collect washing for disposal. Decontaminate tools and equipment following cleanup. Avoid creation of dusty conditions

Environmental and Regulatory Reporting:

Do not flush to drain. If spilled on the ground, the affected area should be scraped clean and placed in a appropriate container for disposal. Prevent material from entering public sewer system or any waterways.

SECTION 6. HANDLING AND STORAGE

Minimum/Maximum Storage Temperatures:

Not Available

Handling:

Avoid contamination of storage containers. Avoid breathing dusts.

Storage:

Store in tightly closed containers. Store in an area that is isolated from all toxic and harmful substances, sanitary, dry, cool

SECTION 8. PERSONAL PROTECTION / EXPOSURE CONTROLS

Introductory Remarks:

These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. While developing safe handling procedures, do not overlook the need to clean equipment and piping systems for maintenance and repairs

Waste resulting from these procedures should be handled in accordance with Section 13: Disposal Considerations. Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.

Exposure Guidelines:

Exposure limits represent regulated or recommended worker breathing zone concentrations measured by validated Sampling and analytical methods, meeting the regulatory requirements. The following limits apply to this material, where, if indicated, S=skin and C=ceiling limit:



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PARTICULATES NOT OTHERWISE REGULATED RESPIRABLE FRACTION

| | Notes | TWA | STEL |
|------|-------|-----------|------|
| OSHA | | 5 mg/cu m | |

PARTICULATES NOT OTHERWISE REGULATED TOTAL DUST

| | Notes | TWA | STEL |
|------|-------|------------|------|
| OSHA | | 15 mg/cu m | |

Engineering Controls:

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Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures:
general area dilution/exhaust ventilation

Respiratory Protection:

When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations. Under normal conditions, in the absence of other airborne contaminants, the following devices should provide protection from this material up to the conditions specified by the appropriate OSHA, WHMIS or ANSI standard(s):
Air- purifying (half-mask/full-face) respirator with cartridges/canister approved for use against dusts, mists and fumes.

Eye/Face Protection:

Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material

It is generally regarded as good practice to wear a minimum of safety glasses with side shields when working in industrial environments

Skin Protection:

Skin contact should be minimized through use of gloves and suitable long-sleeved clothing (i.e., shirts and pants). Consideration must be given both to durability as well as permeation resistance.

Work Practice Controls:

Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material:

- (1) Do not use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
- (2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
- (3) Wash exposed skin promptly to remove accidental splashes or contact with this material.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical properties here represent typical properties of this product. Contact the business area using the Product Information phone number in Section 1 for its exact specifications.

Physical appearance:

White powder solid.

pH:

Odor:

Odorless

Specific Gravity:



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Not Applicable

Water Solubility:

sparingly soluble

Boiling Point Range

Not Available

Vapor Density:

Not Available

Not Available

Melting Point Range:

88^o C (190.4^o F)

Vapor Pressure:

Not Available

Molecular Weight:

591.24

SECTION 10. REACTIVITY/STABILITY

Chemical Stability:

This material is stable under normal handling and storage conditions described in Section 7.

Conditions To Be Avoided:

none known

Materials/Chemicals To Be Avoided:

None known

The Following Hazardous Decomposition Products Might Be Expected:

Decomposition Type: thermal

None known

Hazardous Polymerization Will Not Occur. Not applicable

Avoid The Following To Inhibit Hazardous Polymerization

Not applicable

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Eye Irritation:

Toxicological Information and Interpretation:

eye - eye irritation, 100 mg, rabbit. Slightly irritating.

Acute Skin Irritation:

Toxicological Information and Interpretation:

skin - skin irritation, 500 mg, rabbit. Mildly irritating.

Acute Dermal Toxicity:

Toxicological Information and Interpretation:

LD50 - lethal dose 50% of test species, > 2000 mg/kg, rabbit.

Acute Respiratory Irritation:

No test data found for product.

Acute Inhalation Toxicity:

No test data found for product.

Acute Oral Toxicity:

Toxicological Information and Interpretation:

LD50 - lethal dose 50% of test species, > 5000 mg/kg, rat.

Chronic Toxicity:

This product does not contain any substances that are considered by OSHA, NTP, IARC or ACGIH to be "probable" or "suspected" human carcinogens.

No additional test data found for product.



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SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicological Information:

No data found for product.

Chemical Fate Information:

No data found for product.

SECTION 13. DISPOSAL

Waste Disposal Method:

Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations.

Consult state and local

regulations regarding the proper disposal of this material.

EPA Hazardous Waste - NO

SECTION 14. TRANSPORTATION

Transportation Status: IMPORTANT! Statements below provide additional data on listed DOT classification.

The listed Transportation Classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.

US Department of Transportation

Shipping Name: NOT REGULATED

Shipping Name (CFR): Non-hazardous

Hazard Class (CFR): NA

Additional Hazard Class (CFR): NA

Packaging Group (CFR): NA

UN ID Number (CFR): NA

Shipping Name (IATA): Non-hazardous

Hazard Class (IATA): NA

Additional Hazard Class (IATA): NA

Packaging Group (IATA): NA

UN ID Number (IATA): NA

SECTION 15. REGULATORY INFORMATION

OTHER FEDERAL REGULATIONS

FDA Status:

This product meets the compositional requirements of:

21 CFR 184.1440 Magnesium stearate.

STATE REGULATIONS:

This product does not contain any components that are regulated under California Proposition 65.



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SECTION 16 - ADDITIONAL INFORMATION

National Fire Protection Association Hazard Ratings--NFPA(R):

- 0 Health Hazard Rating—Minimal
- 0 Flammability Rating--Minimal
- 0 Instability Rating--Minimal

National Paint & Coating Hazardous Materials Identification System--HMIS(R):

- 0 Health Hazard Rating—Minimal
- 0 Flammability Rating--Minimal
- 0 Reactivity Rating--Minimal

Reason for Revisions: Change and/or addition made to Section 4.

Key Legend Information:

- OSHA - Occupational Safety and Health Administration TLV - Threshold Limit Value
- PEL - Permissible Exposure Limit STEL
- Short Term Exposure Limit NTP -
- National Toxicology Program ND - Not determined

Disclaimer:

The information herein is given in good faith but no warranty, expressed or implied, is made.

This document is intended only as a guide to the appropriate precautionary handling of material by a person trained in chemical handling. The user is responsible for determine the precautions & dangers of this chemical for his or her particular application depending on usage. Adequate protective clothing, including eye / face guards, approved respirators must be used to avoid contact with the material or breathing chemical vapors / fumes. Exposure to this product may cause adverse health effects.

This chemical may interact with other substances. Since the potential uses are so varied,

M/s. **Lasa Supergenerics Limited**. cannot warn of all of the potential dangers of use or interaction with chemicals of materials. M/s. **Lasa Supergenerics Limited**. warrants that, the chemical meets the specifications set forth on the test report.

M/s. **LasaSupergenericsLimited**. Disclaims any other warranties expressed or implied with regard to the product supplied hereunder its merchantability or its fitness for a particular purpose. The user should recognize that, this product can cause severe injury, especially if improperly handled or the known dangers of use are not heeded.

READ ALL PRECAUTIONARY INFORMATIONS.