

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 01.04.2024

Revision: 01.04.2024

1 Identification of the substance/mixture and of the company/undertaking

· **Product details**

· **Trade name:** Magnesium 12 HSA Grade PH

· **Application of the substance / the preparation**

- Magnesium 12 HSA is often used as a diluent in the manufacture of medical tablets, capsules and powders.
- It has lubricating properties.
- It prevents ingredients from sticking to manufacturing equipment during the compression of chemical powders into solid tablets.
- It is the most commonly used lubricant for tablets.
- Magnesium 12 HSA may affect the release time of the active ingredients in tablets.
- Magnesium 12 HSA is also used to bind sugar in hard candies
- It is a common ingredient in baby formulas.
- Applications in the personal care and pharmaceutical industry

· **Manufacturer/Supplier:**

Nimbasia Stabilizers

F-172(A&B), F-173 Indraprastha Industrial Area

KOTA-324 005 (Rajasthan) India

Phone No. + 91 744-2980970

Fax No.

· **Further information obtainable from:**

Mr. Pramod Mittal

info@nimbasia.com, sales@nimbasia.com

· **Information in case of emergency:**

Contact details of European importer

Emergency telephone number:

Telephone number of EU importer:

Opening hours:

Other Comments (e.g. language(s) of the phone service): English

2 Hazards identification

· **Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008** Void (Not applicable)

· **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Not applicable.

· **Information concerning particular hazards for human and environment:** Not applicable.

· **Label elements**

· **Labelling according to Regulation (EC) No 1272/2008**

· **Hazard pictograms** Void

· **Signal word** Void

· **Hazard-determining components of labelling:** Void

· **Hazard statements** Void

· **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

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3 Composition/information on ingredients

- **Chemical characterization:**
- **CAS No. Description**
40277-04-1 Magnesium 12 HSA Grade PH
- **Identification number(s)**
- **EINECS Number:** 254-868-2
- **Additional information:**
Molecular formula: C₃₆H₇₀MgO₆
Molecular Weight: 623.2

4 First aid measures

- **General information:**
Immediately remove any clothing soiled by the product.
Remove breathing equipment only after contaminated clothing have been completely removed.
In case of irregular breathing or respiratory arrest provide artificial respiration.
- **After inhalation:**
Supply fresh air or oxygen; call for doctor.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:** Treat symptomatically and supportively.
- **The following symptoms may occur:**
Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion: May be harmful if swallowed.
Skin contact: May be harmful if absorbed through skin. May cause skin irritation.
Eye Contact: Eyes May cause eye irritation.

5 Firefighting measures

- **Suitable extinguishing agents:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- **Special hazards caused by the substance, its products of combustion or resulting gases:**
When heated to decomposition it emits acrid smoke and irritating fumes.
- **Protective equipment:** Mouth respiratory protective device.
- **Additional information** Sweep up and shovel. Keep in suitable, closed containers for disposal.

6 Accidental release measures

- **Person-related safety precautions:**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Avoid breathing vapors, mist or gas.
- **Measures for environmental protection:** Do not allow product to reach sewage system or any water course.
- **Measures for cleaning/collecting:**
Dispose contaminated material as waste according to item 13.
Sweep up and shovel. Keep in suitable, closed containers for disposal.

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7 Handling and storage

- **Handling:**
- **Information for safe handling:**
Thorough dedusting.
Ensure good ventilation/exhaust at the workplace.
Open and handle receptacle with care.
- **Information about fire - and explosion protection:** Keep respiratory protective device available.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store in a cool location.
Store in tightly closed containers and in well ventilated area.
- **Information about storage in one common storage facility:** Store away from oxidizing agents.
- **Further information about storage conditions:** Store in dry conditions.
- **Specific applications** Store at 5 to 30 degree C

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:** Not required.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Store protective clothing separately.
- **Respiratory protection:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- **Material of gloves**
Nitrile rubber, NBR
Recommended layer thickness: 0.11 mm
- **Penetration time of glove material** Recommended break through time: >480 min
- **Eye protection:** Safety glasses
- **Body protection:** Use protective suit.

9 Physical and chemical properties

- **General Information**
- **Appearance:**

Form:	Crystalline powder
Colour:	White
Odour:	Odourless
- **Change in condition**

Melting point/Melting range:	140°C
Boiling point/Boiling range:	Not available

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- | | |
|--|---|
| · Flash point: | Not available. |
| · Flammability (solid, gaseous): | Product is not flammable. |
| · Ignition temperature: | Not available. |
| · Danger of explosion: | Product does not present an explosion hazard. |
| · Density: | |
| Bulk density at 20°C: | 250 kg/m ³ |
| · Solubility in / Miscibility with water: | Insoluble. |
| · Additional information: | Not available. |

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** Thermal Decomposition: 435 Degree C
- **Materials to be avoided:** Avoid contact with strong oxidizing agents.
- **Dangerous reactions** Dust explosion possible.
- **Dangerous decomposition products:** When heated to decomposition it emits acrid smoke and irritating fumes.

11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values relevant for classification:**

Oral	LD50	>10000 mg/kg (mouse)
Inhalative	LC	> 1241mg/m3/4H (mammal)
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:**
 - No sensitizing effects known.
 - Patch Test
 - Species: Humans
 - Result: Negative
- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
 - Mutagenicity:
 - Ames test showed negative results.

12 Ecological information

- **Information about elimination (persistence and degradability):**
 - Biodegradation: 95% /28 d (OECD 301 D)
 - Readily Biodegradable
- **Behaviour in environmental systems:**
- **Mobility and bioaccumulation potential:**
 - Distribution: Log Pow 0.8 (OECD 107)
 - No bioaccumulation is to be expected (log Pow <1)

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· **Ecotoxicological effects:**· **Aquatic toxicity:**

NOEC 2.2 mg/l (Fish) (OECD 203)

· **Additional ecological information:**· **General notes:** Generally not hazardous for water· **Results of PBT and vPvB assessment** To be provided after the REACH registration.

13 Disposal considerations

· **Product:**· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packaging:**· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **Land transport ADR/RID (cross-border)**· **ADR/RID class:** -· **Maritime transport IMDG:**· **IMDG Class:** -· **Marine pollutant:** No· **Air transport ICAO-TI and IATA-DGR:**· **ICAO/IATA Class:** -· **UN "Model Regulation":** -

15 Regulatory information

· **Labelling according to Regulation (EC) No 1272/2008**· **Hazard pictograms** Please refer section 2· **Signal word** Danger· **Hazard statements** Please refer section 2· **Precautionary statements** Please refer section 2· **Labelling according to EU guidelines:**· **Risk phrases:** Please refer section 2· **Safety phrases:** Please refer section 2· **Chemical safety assessment**

A Chemical Safety Assessment has not been carried out and shall be available at the time of REACH registration.

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- **National regulations:**
- **Other regulations, limitations and prohibitive regulations**
- **Substances of very high concern (SVHC) according to REACH, Article 57**
The substance is not listed as SVHC.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing MSDS:** Product safety department.
- **Contact:**
Mr. Pramod Mittal
info@nimbasia.com, nimbasia@bsnl.in
- **Abbreviations and acronyms:**
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association"
(IATA) ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization"
(ICAO) EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
- **Sources**
 - REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
 - IUCLID Dataset
<http://ecb.jrc.ec.europa.eu/IUCLID-DataSheets/1592230.pdf>
 - SVHC List from European Chemical Agency (ECHA) Site
http://echa.europa.eu/chem_data/authorisation_process/candidate_list_table_en.asp
 - Hazardous Substances Data Bank (HSDB)
<http://toxnet.nlm.nih.gov/cgi-bin/sis/search/f?./temp/~CyIBu4:1>
 - MSDS of Merck Chemicals
www.merck-chemicals.com
 - MSDS of Sigma Aldrich
<http://www.sigmaaldrich.com/catalog/DisplayMSDSContent.do>
 - MSDS of Alfa Aesar BVBA
<http://www.alfa.com/content/msds/british/A16244.pdf>
- *** Data compared to the previous version altered.**
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Section 3 - Composition / Information on ingredients
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*Section 8 - Exposure Controls / Personal Protection**Section 9 - Physical & Chemical Properties**Section 11 - Toxicological Information**Section 12 – Ecological Information**Section 14 - Transport Information**Section 15 - Regulatory Information*

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