

Magnesium hydroxide USP

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 /
March 26, 2012 / Rules and Regulation

12-13-17

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Magnesium hydroxide
Synonyms: Not available
INCI Name: Magnesium hydroxide
CAS Number: 1309-42-8
Formula:
Product Form: Solid (powder)
Product Use: Cosmetic use

Distributor: MakingCosmetics.com Inc.
Address: 10800 231st Way NE
 Redmond, WA 98053 (USA)
Phone / Fax: 425-292-9502 / 425-292-9601
Web: www.makingcosmetics.com

Emergency Telephone Number: 1-800-424-9300 (Chemtrec)

2 HAZARDS IDENTIFICATION

GHS Classification: Product is not subject to classification according to GHS. No labels elements required
GHS Signal Word: Not applicable
GHS Hazard Pictograms: Not applicable
GHS Hazard Statements: Not applicable
GHS Precautionary Statements: Not applicable

Potential Health Hazards: Eye: Causes eye irritation.
 Skin: Causes skin irritation. May be harmful if absorbed through the skin.
 Ingestion: May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May be harmful if swallowed. Excessive amounts of magnesium may cause central nervous system depression, respiratory paralysis, and cardiac
 Inhalation: Causes respiratory tract irritation. May be harmful if inhaled.

NFPA Ratings (704):

Health	1	Slight
Flammability	0	Minimal
Reactivity	0	Minimal
Specific Hazard	n/a	

3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %	Molecular Weight
Magnesium hydroxide	1309-42-8	100%	58.3197 g/mol

4 FIRST AID MEASURES

Eyes: Get medical attention immediately. Holding the eyelids apart, flush eyes promptly with copious flowing water for at least 20 minutes.

Inhalation: In case of dust inhalation or breathing fumes released from heated material, remove person to fresh air. Keep quiet and warm. Apply artificial respiration if necessary and get medical attention immediately.

Skin: Remove contaminated clothing. Wash skin thoroughly with mild soap and plenty of water for at least 15 minutes. Wash clothing before reuse. Get medical attention if irritation occurs.

Ingestion: If swallowed, wash mouth thoroughly with plenty of water. Get medical attention immediately. NOTE: Never give an unconscious person anything to drink.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: Material is not combustible. Use extinguishing media appropriate to surrounding fire conditions.

Special protective equipment & precautions for firefighters: Cool containers with water spray. In closed stores, provide fire-fighters with self-contained breathing apparatus in positive pressure mode.

Flash Points: Not applicable.

Specific hazards arising from the chemical: When heated to decomposition forming magnesium oxide and water. This reaction does not create fire or explosion hazards.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:
Environmental precautions:
Methods and material for containment and cleaning up:

Wear respirator, chemical safety goggles, rubber gloves and boots
 No special environmental precautions required
 Scoop up and place in a suitable container for waste disposal or possible reuse. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

7 HANDLING & STORAGE

Precautions for safe handling: Keep containers tightly closed. Avoid bodily contact.
Conditions for safe storage, incl. any incompatibilities: Store in a dry, well-ventilated area away from incompatible materials.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Magnesium hydroxide	N/A		

TWA: Time Weighted Average over 8 hours of work.
 TLV: Threshold Limit Value over 8 hours of work.
 REL: Recommended Exposure Limit
 PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.
 IDLH: Immediately Dangerous to Life or Health
 WEEL: Workplace Environmental Exposure Levels
 CEIL: Ceiling

Personal Protection:

Eyes: Safety glasses, goggles, or face shield recommended for eye protection.
Inhalation: Appropriate NIOSH approved respiratory protection may be worn.
Body: Gloves and protective clothing should be worn to prevent prolonged skin contact.
Other: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance, Physical State:	White free flowing powder	Vapor Pressure:	Not available
Odor:	None	Vapor Density:	Not available
Taste:	Not available	Evaporation Rate:	Not available
Color:	Not available	Flammability:	Not available
Molecular Weight:	58.3197 g/mol	Explosive Limit:	Not available
pH (slurry)	9.5-10.5	Flash Point:	Not available
Boiling Point:	Not available	Specific Gravity:	2.36
Melting Point:	350oC	Solubility in water	1.78mg/l at 20°C

10 STABILITY AND REACTIVITY

Reactivity: Not reactive hazards known/expected
Chemical Stability: Stable under normal conditions.
Hazardous Polymerization: Will not occur.
Conditions to Avoid: Heating above decomposition temperature.
Incompatible Materials: Not available
Hazardous Decomposition Products: None

11 TOXICOLOGICAL INFORMATION

Acute Toxicity: Rat oral LD50> 2000mg/kg (female), Rat inhalation LC50 >2.1 mg/L
Skin: Not available
Eyes: Not available
Respiratory: Not available
Ingestion: Not available
Carcinogenicity: Not available
Teratogenicity: Not available
Germ Cell Mutagenicity: Not available
Embryotoxicity: Not available

Specific Target Organ Toxicity: Not available
Reproductive Toxicity: Not available
Respiratory/Skin Sensitization: Not available

12 ECOLOGICAL INFORMATION

Ecotoxicity

Aquatic Vertebrate: Not available
Aquatic Invertebrate: Not available
Terrestrial: Not available
Persistence and Degradability: Not available
Bioaccumulative Potential: Not available
Mobility in Soil: Not available
PBT and vPvB Assessment: Not available
Other Adverse Effects: Not available

13 DISPOSAL CONSIDERATIONS

Waste Residues: Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container.

Product Containers: Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container.

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

14 TRANSPORT INFORMATION

DOT (Dept. of Transportation, USA): Not regulated
TDG (Transportation of Dangerous Goods, Canada): Not regulated
IMDG (International Maritime Dangerous Goods): Not regulated
IATA (International Air Transport Association): Not regulated
ICAO (International Civil Aviation Organization): Not regulated

15 REGULATORY INFORMATION

TSCA Inventory Status: No data available
DSCL (EEC): This product is not classified according to the EU regulations. Not applicable.
WHMIS (Canada): Not controlled under WHMIS (Canada)

16 OTHER INFORMATION

Revision Date: 12-13-2017

Compliance: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.