



Shay and Company
10639 SE Fuller Rd
Milwaukie, OR 97222
Ph: 503-653-1155
info@shayandcompany.com

SAFETY DATA SHEET

Version: 1.0

Revision Date: 10/28/2015

1. Product and Company Identification:

Product: Magnesium Hydroxide Powder

Item Code: 99230

Distributor: Shay and Company

2. Hazard Identification:

Hazard Symbol: Eye Irritant H320

Risk Phrases:

Routes of entry: Eyes, skin, oral, inhalation

Acute Eye Contact: May cause mild reversible eye irritation.

Chronic Eye Contact: Chronic exposure not likely from normal use.

3. Composition/Information on Ingredients:

Ingredient Deck: Magnesium Hydroxide

CAS no: 1309-42-8

Hazardous Ingredient/s: n/a

4. First Aid Measures:

Inhalation: Gargle. Remove from exposure area to fresh air immediately. Perform artificial respiration if necessary. Keep person warm and at rest. Treat systematically and supportively. Get medical attention immediately.

Eyes: Flush immediately with plenty of water; seek medical attention if irritation persists.

Skin: Wash with soap and water, seek medical attention if irritation develops or persists.

Ingestion: Do not induce vomiting; contact physician for further treatment.

5. Fire Fighting Measures:

Suitable Extinguishers: N/A- not combustible

Extinguishers Not to be Used: none

Hazardous Decomposition Products: none

Special Fire Fighting Procedures: none



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6. Accidental Release Measures:

Personal Precautions: none

Environmental Precautions: none

Clean Up Procedure: Sweep up and dispose of according to local regulations. Wash affected skin areas with soap and water. Keep spills out of all sewers and bodies of water.

7. Handling and Storage:

Handling Precautions: Set up local exhaust ventilation and the collection dust equipment or handle where ventilation is good. Have an eye wash station set up in case of emergency. Prevent dust from dispersing when working with material. Work from windward outward. Wash hands and face well after.

Storage Requirements: Keep in a dry, sealed container

Temp. Max: n/a

Temp. Min: n/a

8. Exposure Controls/Personal Protection:

Occupational Exposure Limit: 3 mg/m³ (inhalable dust), 10 mg/m³ (total dust)
ACGIH (2004) TWA

Respiratory Protection: Use with adequate ventilation

Eye Protection: Wear splash-proof and dust-proof safety glasses

Skin Protection: Protective gloves are recommended

9. Physical and Chemical Properties:

Description: White, free-flowing powder

Melting Point: 2800°C

Boiling Point: 3600°C

Solubility in Water (by weight): 0.009%

10. Stability and Reactivity:

Condition to Avoid: none

Materials to Avoid: Moisture

Hazardous Decomposition Products: Decompose to “magnesium oxide” and water if ignited. There is hygroscopicity. Carbon dioxide and moisture in air are absorbed and it changes to a “magnesium carbonate”.

Stabilization Techniques: none; product is stable

11. Toxicological Information:

Routes of Entry:



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Oral: over 500 mg/kg
Derma: Non-toxic; may cause irritation with long-term exposure
Inhalation: None
Skin: Non-toxic
Eye: Mildly irritant

12. Ecological Information:

General Information: n/a

13. Disposal Considerations:

Handling Precautions: None
Method of Disposal: Dispose of accordance with local regulations.
Contaminated Packaging: Dispose of accordance with local regulations.

14. Transportation Information:

Non-Hazardous Cargo. No special Transporting facility required.

15. Regulatory Information:

US State Regulations
California Proposition 65
This product does not contain any Proposition 65 chemicals

16. Other Information:

N/A

The information provided above is intended only as a guide to the appropriate precautionary handling of the item. It is the responsibility of the customer and user to ensure it has in place provisions for the safe and proper handling of the material. Shay and Company believes the above information to be accurate based on the information available, however, it is the responsibility of the customer and user of the material to perform its own investigation and due diligence prior to use to verify that the product purchased from Shay and Company meets their quality requirements and is appropriate for the use to which the product is to be put.