

**AERCHEM INC.**  
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**Bloomington, IN 47404**

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**Effective Date:** 12/07/94

**Product Name:** Magnesium Oxide

**CAS No.:** 001309-48-4

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**Hazardous Ingredients:**

None

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**Physical Data:**

Melting point (range) Approx.:	2700°C
Boiling point:	3600°C
Specific Gravity:	3.58 g/cc
Solubility in water:	0.0009 g/100 cc at 30°C
Appearance:	White powder

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**Fire and Explosion Information:**

Flash point:	Not Flammable
Extinguishing media to be recommended:	Non-combustible
Fire and explosions hazards:	Will not burn

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**Reactivity Data:**      **Stable**   x                        **Unstable** \_\_\_\_\_

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**Hazardous Decomposition:**      None

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**Incompatibilities:**

Maintain clean and dry to preserve value.  
Reacts with water to give magnesium hydroxide  
Reacts with acids

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**Handling and Storage Information:**

Practice reasonable care and caution when handling.  
Prolonged storage and exposure to moisture will lead to eventual caking of the solids  
This is only a detriment to handling and performance characteristics of this material-no hazard entailed

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**Leak/Spill Information:**

Sweep or shovel up  
Use Sorb-all to contain dusting

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**Disposal Information:**

Small amounts:	Wash away with water
Large amounts:	Use landfill when permitted. Comply with federal, state and local regulations.

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**Health Hazard Information:**

**A. Exposure/Health Effects**

<b>Inhalation:</b>	Indicted value, not to exceed 10 mg/m <sup>3</sup> . Dust may cause nasal irritation.
<b>Ingestion:</b>	Low single dose oral toxicity--Laxative action.
<b>Skin Contact:</b>	Essentially no irritation
<b>Eye Contact:</b>	Up to moderate irritation and slight transient corneal injury

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**Occupational Control Measures:**

**Ventilation Systems:**

Recommend control of dust to suggested guide

**Personal Respirators:(NIOSH Approved)**

If required, use an approved dust respirator

**Skin Protection:**  
**Eye Protection:**

Not required  
Safety glasses without side shields

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