



320 N. Walnut St.
Bloomington, IN 47404
812.334.9996
812.334-1960 FAX
<http://www.aerchem.com>

Material Safety Data Sheet

Section 1. Product and Identification		
Common name:	MAGNESIUM HYDROXIDE	
Synonyms:	Not Available.	
Molecular formula:	Mg(OH)₂	
CAS #:	1309-42-8	
In case of emergency:		
Chemtrec (24hr)	(800) 424-9300	
Supplier:	AerChem Inc. 320 N. Walnut St. Bloomington, IN 47404 U.S.A..	phone: (812) 334-9996 fax: (812) 334-1960 http://www.aerchem.com

Section 2. Composition and Informaion on Ingredients

Name	CAS #	% by Weight
Mannitol	1309-42-8	100

Toxicological Data on Ingredients	Not Available. ORAL (LD50): Not Available.
-----------------------------------	---

Section 3. Health Effects Summary

Primary Route(s) of Exposure	Eyes, skin, inhalation.
Eye Contact :	Other than possible mechanical irritation, no significant adverse effects are expected.
Skin Contact :	No adverse effects are expected following incidental contact with skin.
Inhalation :	High airborne levels of dust can cause nose and throat irritation.
Ingestion :	Diarrhea and/or abdominal pain can occur following ingestion.
Additional Effects :	Depending on route, frequency, and duration of exposure, toxicity may occur in the following organs and/or systems: eye.
Aggravation of Existing Conditions	Some of the components in this product may aggravate existing medical conditions; consequently, certain individuals may be more susceptible to the possible effects produced by overexposure. Individuals with medical conditions involving the following organ(s) and/or systems

should take appropriate precautions when handling this product:
respiratory system.

Always wear appropriate protective equipment, as recommended by
your industrial hygiene or safety personnel, when exposure to this
product can occur. It is imperative that good industrial handling
practices always be observed.

Section 4. First Aid Measures	
Eyes	Immediately flush with water for at least 15 minutes, holding eye open. Obtain Medical attention if irritation persists.
Skin	Contact with skin does not normally require medical attention. However, it is advisable to flush the affected area with plenty of water to remove any product residue.
Ingestion	Call a poison control center, emergency room, or physician. Unless advised otherwise, induce vomiting by giving either syrup of ipecac followed by two (2) glasses of water or by sticking finger down throat. If person is drowsy or unconscious, do not give anything by mouth or leave alone. Never give anything to drink to a person who is convulsing or has no gag reflex. Loosen tight clothing, clear the airway, and keep the person warm.
Inhalation	Remove to fresh air. If symptoms develop, seek immediate medical attention. If not breathing, give artificial respiration, preferably mouth to mouth.

Section 5. Toxicologic Information	
Toxic Effects :	Dust can produce slight irritation to the eyes and respiratory tract. Ingestion, especially of large quantities, can cause diarrhea and abdominal pain.
Carcinogenicity :	ACGIH: No IARC Monographs: No NTP Annual Report: No OSHA: No

Section 6. Occupational Control Procedures	
Eye Protection :	Wear safety glasses.
Skin Protection :	This product is not expected to present significant dermal
Respiratory Protection :	Avoid breathing dust. When established airborne limits are surpassed, wear NIOSH/MSHA approved equipment. Determine the appropriate type equipment for specific application by consulting the respirator manufacturer.
Ventilation :	Maintain airborne concentrations below the established exposure limits by providing adequate ventilation. General (dilution) ventilation may be acceptable. However, local exhaust ventilation is recommended when vapors, mists or dusts can be released.
Personal Hygiene :	Wash thoroughly after handling, especially before eating, drinking, smoking, or using restroom facilities. Contaminated clothing and shoes should be thoroughly cleaned and dried before reuse.
Airborne Exposure Limits :	
ACGIH TLV - TWA:	5(10)*mg/cu. M respirable fraction (total particulate)
OSHA PEL :	5(10)*mg/cu. M respirable fraction (total particulate)

Section 7. Fire Protection Information	
Flash Point :	N/A
Test Method :	N/A
Explosive Limits :	N/A
Autoignition Temp :	N/A
Extinguishing Media :	This product does not burn.

Section 8. Reactivity Data	
Stable Under Normal Conditions of Storage and Use :	Yes
Materials to Avoid :	Acids.
Hazardous Polymerization :	Will not occur.
Thermal Decomposition Products :	If heated to high temperatures, this product may emit the following compounds: metallic oxides.

Section 9. Spill and Leak Procedures	
Response to Spills :	Shovel or vacuum product and place in closed containers for further handling and disposal. Do not flush to sewer, stream, or other bodies of water unless authorized to do so by the appropriate government official.
Precautions :	If the airborne concentration exceeds establisher exposure limits (TLV or PEL), or if high airborne concentrations can occur, evacuate employees and ventilate the area. A supplied a air respirator or self-contained breathing apparatus (SCBA), should be used for entry into enclosed spaces, or in areas with inadequate ventilation.
Spill Notification :	This product may contain one or more hazardous substances listed either by the U.S.A. EPA (CERCLA, 40 CFR 302.4) or by the U.S. FOT (49 CFR 172.101), for which a "reportable quantity" (RQ) has been established. If a quantity equal to or greater that the established RQ is released into the environment, the national response center (NRC) must be notified immediately. This product may also contain an extremely hazardous substance, which may require additional reporting under SARA Title III (40

Section 10. Stability and Reactivity

Stable.

Avoid open flame.

Section 11. Toxicological Information

This product is not toxic and does not contain ingredients which can be considered as such.

Section 12. Disposal

Dispose of in accordance to local laws and regulations.

Section 13. Transport and Regulatory Information

This product is not classified as dangerous goods according to international regulations for transport, nor is it a DOT regulated substance.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. AerChem, Inc. Shall not be held liable for any damage resulting from handling or from contact with the above product.