



Material Safety Data Sheet

Section 1: Product Identification

Product Name: Magnesium Hydroxide

Product Use: Flame Retardant / Mineral Filler

Manufactured By:

SHANDONG CHENXU NEW MATERIAL CO., LTD

SOUTH OF INNOVATION STREET EAST EXTENSION, HI - TECH ZONE, YUCHENG, DEZHOU CITY,
SHANDONG, CHINA

Information In Case of Emergency

Telephone: +86-531-87978111

Contact Person: James Archer

Section 2:

Composition/Information

Ingredients

Ingredient/Substance	CAS #	EINECS #	% by Weight	Symbol Letters And R-Phrase
Magnesium Hydroxide	1309-42-8	215-170-3	97-100	Non applicable

Section 3:

Hazards

Identification

Classification

USA: The product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Canada: Not a controlled product under WHMIS.

Classification according to Regulation (EC) No 1272/2008[CLP]: This product is not classified as hazardous.

Potential Health Effects:

Eye Contact: Contact with eyes may cause irritation

Skin Contact: Not expected to cause skin irritation in normal use conditions.

Inhalation: Not expected to cause respiratory irritation in normal use conditions.

Section 4: First Aid Measures

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion:

Not expected to require first aid measures. If large amounts were swallowed, give water to drink and get medical advice.

Skin Contact:



Wash with soap and water. Covering the irritated skin with an emollient. Get medical attention if irritation develops.

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

=====**Section 5: Fire and Explosion Data**=====

Flammability of the Product: Non-flammable.

Flammable Properties: Not considered to be a fire hazard since the solid does not burn. Not considered to be an explosion hazard.

Suitable Extinguishing Media:

Use any means suitable for extinguishing surrounding fire.

Special Protective Equipment for Firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear.

=====**Section 6: Accidental Release Measures**=====

Small Spill:

Use appropriate tools to put the spilled powder in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

=====**Section 7: Handling and Storage**=====

Handling:

Wear personal protective equipment. Ensure adequate ventilation. Do not touch or walk through spilled material. Keep unnecessary personnel away.

Storage: store in a clean dry place. Keep container closed when not in use.

=====**Section 8: Exposure Controls/Personal Protection**=====

Exposure Limits:

Exposure limits for this product has been not established.

Ventilation Required:

Ventilation should be effectively remove and prevent bulidup of dust general from the handing of this product.

Personal Protective Equipment:

Hand Protection: Wear appropriate chemical resistant gloves.

Skin Protection: Normal working clothing(long sleeved shirts and long paints) is recommended.

Eye Protection: Safety glasses with side-shields.

Respiration Protection: No personal respiratory protective equipment normally required.

=====**Section 9: Physical/Chemical Properties**=====

Appearance: White Powder

Odor: Odorless



Taste: Not available

Mg(OH)₂ ≥ 98%

CaO ≤ 0.35%

Fe₂O₃ ≤ 0.02%

Hydrochloric acid insoluble substance ≤ 0.5%

Melting Point: Decomposes 320°C

Solubility: Insoluble in water

Solubility: Insoluble in water, Insoluble in alcohol. Soluble in hydrochloric acid, sulfuric acid.

Section 10: Stability and Reactivity

Stability: The product is stable.

Conditions to Avoid: Incompatible materials.

Incompatibility with various substances: Strong acids and anhydrides; heat.

Hazardous Decomposition Products: Steam.

Corrosivity: Non-corrosive in presence of glass.

Section 11: Toxicological information

Maximum allowable workplace concentration: not stipulated

LD₅₀ Oral Rat - Male/Female >2000 mg/kg

LD₅₀ Dermal Rat - Male/Female >5000 mg/kg

Mutagenic Effect: Did not show mutagenic effects in animal experiments.

Skin irritation: Not expected to be an irritant.

Section 12: Ecological information

Ecotoxicity: This product has not known eco-toxicological effects.

Environmental Effects:

Ecological injuries are not known or expected under normal use. An environmental hazard can not be excluded in the event of unprofessional handling or disposal.

Persistence/Degradability: Not readily biodegradable.

Section 13: Disposal Considerations

Disposal guidance:

No special disposal treatment is required, but local authorities should be consulted about any specific local requirements.

Tonnage quantities of product should, if possible, be used for an appropriate application.

US EPA RCRA (40 CFR 261): aluminum hydroxide is not listed under any sections of the Federal Resource Conservation and Recovery Act.

Section 14: Transport information

DOT Classification: Not A DOT controlled material(United States).

GGVE/RID: non-regulated.

GGVS/ADR: non-regulated.

ADNR: non-regulated.

Special Provisions for Transport: Not Applicable.



Maritime Transport IMDG: Not regulated

Marine Pollutant: Not listed

Air transport ICAO-TI and IATA-DGR: Not regulated

===== **Section 15: Regulatory Information** =====

US FEDERAL REGULATIONS:

TSCA Chemical Inventory Status: All components of this product are listed.

CERCLA Reportable Quantity: None.

SARA Title III:

Section 302 Extremely Hazardous Substances: None.

Section 304 Emergency Release Reporting: None.

Section 311/312 Hazardous Categories: None.

Section 313 Toxic Categories: None.

===== **Section 16: Other Information** =====

This information is based on our present state of knowledge and is intended to provide general notes on our products and their uses. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application. Any existing industrial property rights must be observed. The quality of our products is guaranteed under our General Conditions of Sale.

Edition: May 26, 2019 – This data sheet replaces all previous issues.