

MAGNESIUM HYDROXIDE – SAFETY DATA SHEET
SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING
PRODUCT IDENTIFIER

Product name (as labelled)	Magnesium Hydroxide
Uses	For industry use, processing aids and additives

DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Registered distributor company name	Pure Ingredients Ltd
Address	626A Rosebank Road, Avondale 1026
Telephone	+649 8135619
Website	www.pureingredients.co.nz
Email	compliance@pureingredients.co.nz

EMERGENCY TELEPHONE NUMBER

Emergency Response	0800 CHEMCALL / 800 243 622 (24hr)
Emergency telephone numbers	111
Other emergency telephone numbers	0800 764 766

SECTION 2 HAZARDS IDENTIFICATION
HSNO Hazard Classification: 6.4A

Hazardous Nature: This product is classified as hazardous under HSNO criteria.



Pictogram:
 Signal Word: **WARNING**

HAZARD STATEMENT:	H319	Cause serious eye irritation.
PREVENTION:	P103	Read label before use.
	P104	Read Safety Data Sheet before use.
	P264	Wash hand thoroughly after handling.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
RESPONSE:	P302+P352	IF ON SKIN: Wash with plenty of water and soap.
	P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
	P362+P364	Take off contaminated clothing and wash it before reuse.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

	CAS No.	EC no.	% by weight
Magnesium Dihydroxide	1309-42-8	None	100

SECTION 4 FIRST AID MEASURES

NZ Poisons Centre 0800 POISON (0800 764 766) | NZ Emergency Services: 111

General Advice	Consult a physician. Show this safety data sheet to the doctor in attendance.
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Skin Contact	Wash off with soap and plenty of water. Consult a physician.
Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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SECTION 5 FIREFIGHTING MEASURES

Information	Suitable Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
	Specific Hazards arising from the chemical: no data available
	Special Protective Actions for Fire-fighters: Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Accidental release measures

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up:

Pick up and arrange disposal. Sweep up and shovel. Keep in suitable, closed containers for disposal.

SECTION 7 HANDLING AND STORAGE

Precautions:

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Avoid exposure - obtain special instructions before use. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

Storage:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Appropriate Engineering Controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection: Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Wear impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Respiratory protection: Wear dust mask when handling large quantities.

Thermal Hazards: No data available.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state: odourless white powder

Odor: no data available

Colour: no data available

Boiling Point or Initial Boiling Point: 100°C at 760mmHg

Melting Point/ Freezing Point: 350°C (Decomposes)

Flash Point: Will not boil

Flammability: No data available.

Low/Uppper Explosion Limit: No data available.

Vapor Pressure: No data available.

Decomposition Temperature: No data available.

Density and/or relative density: 2.36g/cm³

Relative vapour density: No data available.

Particle characteristics: No data available.

Solubility: Practically insoluble in water and in ethanol

SECTION 10 STABILITY AND REACTIVITY

Reactivity: no data available

Chemical Stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: no data available

Conditions to avoid: no data available

Incompatible materials: no data available

Hazardous decomposition products: no data available

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SECTION 11 TOXICOLOGICAL INFORMATION

Acute Toxicity

- Oral: no data available
 Inhalation: no data available
 Dermal: no data available

Skin corrosion/irritation: no data available
 Serious eye damage/irritation: no data available
 Respiratory or skin sensitization: no data available
 Germ cell mutagenicity: no data available
 Carcinogenicity: no data available
 Reproductive toxicity: no data available
 STOT-single exposure: no data available
 STOT-repeated exposure: no data available
 Aspiration hazard: no data available

SECTION 12 ECOLOGICAL INFORMATION

Toxicity:

Toxicity to fish: no data available
 Toxicity to daphnia and other aquatic invertebrates: no data available
 Toxicity to algae: no data available
 Toxicity to microorganisms: no data available

Persistence and degradability: no data available
 Bioaccumulative potential: no data available
 Mobility in Soil: no data available
 Other adverse effects: no data available

SECTION 13 DISPOSAL CONSIDERATION

Product: The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

Contaminated Packaging: Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

SECTION 14 TRANSPORT INFORMATION

UN Number: ADR/RID: no data available IMDG: no data available IATA: no data available
 UN Proper Shipping Name ADR/RID: no data available IMDG: no data available IATA: no data available

SECTION 15 REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product in question: magnesium dihydroxide. CAS# 1309-42-8.

European Inventory of Existing Commercial Chemical Substances (EINECS)	Listed.
EC Inventory	Listed.
United States Toxic Substances Control Act (TSCA) Inventory	Not Listed.
China Catalog of Hazardous chemicals 2015	Listed.
New Zealand Inventory of Chemicals (NZIoC)	Listed.
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	Listed.
Vietnam National Chemical Inventory	
Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)	

HSR Approval No.: HSR003517

Reference: <https://www.epa.govt.nz/database-search/approved-hazardous-substances-with-controls/view/5520>

SECTION 16 OTHER INFORMATION

The information contained in this Safety Data Sheet is obtained from current and reliable sources. Pure Ingredients Ltd provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This Safety Data Sheet summarises our best current knowledge of the health and safety hazard information of the product, but does not claim to be all inclusive. This document is intended only as a guide to the appropriate handling of this material.