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MATERIAL SAFETY DATA SHEET

PRODUCT IDENTIFICATION

Product Name: **MAGNESIUM CARBONATE**
Chemical Name: Magnesium carbonate
Synonyms: Magnesium(II)Carbonate, Hydrate; Magnesium carbonate hydroxide
Chemical Family: Inorganic carbonate
Molecular Formula: Mg(OH)₂·5H₂O.(Mg CO₃)₄ (approximate)

HAZARDOUS INGREDIENTS OF MATERIALS

Name	%	LD ₅₀ (or LC ₅₀)	TLV/TWA	CAS NO.
			(mg/m ³)	23389-33-5

Not a controlled product

PHYSICAL PROPERTIES

Appearance and Odour:	Odourless white powder	Vapour Density:	Not applicable
Boiling Point/Range:	Not applicable	Evaporation Rate:	Not applicable
Melting/Freezing Point:	Not applicable	Solubility:	Negligible (less than 0.1%)
Vapour Pressure:	Not applicable	% Volatile by Volume:	0
Specific Gravity:	2.95	pH:	Not applicable

FIRST AID PROCEDURES

Inhalation:	Remove to fresh air. Assist breathing if necessary.
Contact with Skin:	Wash with soap and water.
Contact with Eyes:	Immediately flush with plenty of water for at least 5 minutes.
Ingestion:	Drink water to dilute and induce vomiting.
Other Medical Care:	Not available

REACTIVITY DATA

Stability:	Stable
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	Not applicable
Materials to Avoid:	Strong acids
Hazardous Decomposition or Combustion Products:	Not applicable

FIRE AND EXPLOSION DATA

Flash Point (method):	Not applicable	Autoignition Point:	Not applicable
Flammability Limits in air:	UEL (%): Not applicable; LEL(%): Not applicable		
Fire Extinguishing Media:	Use extinguishing media appropriate for surrounding fire		
Fire Fighting Procedures:	Not applicable		
Other Fire or Explosion Hazards:	Not applicable		

TOXICOLOGICAL AND HEALTH DATA

Recommended Exposure Limit (ACGIH TLV-TWA):	None established for this product. Treat as a nuisance dust.
Toxicological Data:	Not available

Carcinogenicity Data:	The ingredients of this product are not listed as carcinogens by NTP (National Toxicology Program), not regulated as carcinogens by OSHA (Occupational Safety and Health Administration), and have not been evaluated as carcinogens by IARC (International Agency for Research on Cancer), or ACGIH (American Conference of Governmental Industrial Hygienists).
Reproductive Effects:	No information is available and no adverse reproductive effects are anticipated.
Mutagenicity Data:	No information is available and no adverse mutagenic effects are anticipated.
Teratogenicity Data:	No information is available and no adverse teratogenic effects are anticipated.
Synergistic Materials:	None reported.
Effects of Exposure from:	
Inhalation:	Excessive inhalation of dust is irritating. Treat as a nuisance dust.
Skin Contact:	Non-irritating.
Eye Contact:	Non-irritating.
Ingestion:	Anti-acid effect. No adverse effects reported.
Other Health Effects:	General purpose food, nutritional and pharmaceutical additive. Non-toxic in industrial applications.

PREVENTATIVE MEASURES

Engineering Controls:	Use adequate general or local exhaust ventilation to keep fume and dust levels as low as possible.
Respiratory Protection:	None required where adequate ventilation conditions exist. If airborne concentration is high, use an appropriate respirator or dust mask.
Skin Protection:	Rubber gloves are recommended.
Eye Protection:	Safety glasses with sideshields.
Other Personal Protective Equipment:	Not applicable.
Handling Procedures and Equipment:	Not applicable.
Storage Requirements:	Keep container tightly closed. Suitable for any general chemical storage area.
Other Precautions:	Not applicable.
Steps to be taken in the event of a spill or leak:	Wear suitable protective clothing. Carefully sweep up and remove.
Environmental Effects:	Not applicable.
Deactivating Chemicals:	Not applicable.
Waste Disposal Methods:	Dispose of in accordance with federal, provincial, state, and local regulations on chemical waste disposal.

TDG: SHIPPING INFORMATION

Shipping Name: Magnesium Carbonate

Shipping Class: N/R **PIN:** Not Regulated **Packing Group:** Not Regulated

WHMIS Class: Not Controlled

Date Issued: October 31, 1988 **Date Revised:** June 12, 2014

Prepared By: Thomas Kyron **MSDS Index No.:**

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