

LIGHT MAGNESIUM CARBONATE

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name	:	Magnesium carbonate, light FCC
CAS No	:	39409-82-0
RTECS	:	Not available.
Chemical Name	:	Magnesium Carbonate
Chemical Formula	:	4MgCO ₃ .Mg(OH) ₂ .5H ₂ O

COMPOSITION AND INFORMATION ON INGREDIENTS

Composition

Name	:	Magnesium carbonate, light
CAS No	:	39409-82-0
% by Weight	:	100
Toxicological Data on Ingredients	:	Not applicable.

HAZARDS IDENTIFICATION

Potential Acute Health Effects :

Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects :

CARCINOGENIC EFFECTS	:	Not available.
MUTAGENIC EFFECTS	:	Not available.
TERATOGENIC EFFECTS	:	Not available.
DEVELOPMENTAL TOXICITY	:	Not available.

The substance may be toxic to cardiovascular system. Repeated or prolonged exposure to the substance can produce target organs damage.

FIRST AID MEASURES

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.

Skin Contact : Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact : Not available.

Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation : Not available.

Ingestion : Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion : Not available.

FIRE AND EXPLOSION DATA

Flammability of the Product	:	Non-flammable.
Auto-Ignition Temperature	:	Not applicable.
Flash Points	:	Not applicable.
Flammable Limits	:	Not applicable.
Products of Combustion	:	Not available.
Fire Hazards in Presence of Various Substances	:	Not applicable.

Explosion Hazards in Presence of Various Substances

Risks of explosion of the product in presence of mechanical impact : Not available.

Risks of explosion of the product in presence of static discharge : Not available.

Fire Fighting Media and Instructions : Not applicable.

Special Remarks on Fire Hazards : Not available.

Special Remarks on Explosion Hazards : Not available.

ACCIDENTAL RELEASE MEASURES

Small Spill : Use appropriate tools to put the spilled solid 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.

HANDLING AND STORAGE

Precautions : Do not breathe dust. Keep away from incompatibles such as oxidizing agents, acids.

Storage : Keep container tightly closed. Keep container in a cool, well-ventilated area.

EXPOSURE CONTROLS PERSONAL PROTECTION

Engineering Controls : Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection : Safety glasses. Lab coat. Dust respirator. Be sure to use an approved / certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill : Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits : Not available.

PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance	:	Solid. (Crystals solid.)
Odor	:	Odorless.
Taste	:	Not available.
Molecular Weight	:	485 g/mole
Color	:	White.
pH (1% soln/water)	:	Not applicable.
Boiling Point	:	Not available.

Melting Point

Decomposition Temperature	:	700°C (1292°F)
Critical Temperature	:	Not available.
Specific Gravity	:	2.958 (Water = 1)
Vapor Pressure	:	Not applicable.
Vapor Density	:	Not available.
Volatility	:	Not available.
Odor Threshold	:	Not available.
Water/Oil Dist. Coeff.	:	Not available.
Ionicity (in Water)	:	Not available.
Dispersion Properties	:	Not available.

Solubility : Insoluble in cold water, hot water. Soluble in dilute acids with effervescence. Insoluble in alcohol. Imparts slight alkaline reaction to water.

STABILITY AND REACTIVITY DATA

Stability	:	The product is stable.
Instability Temperature	:	Not available.
Conditions of Instability	:	Incompatible materials
Incompatibility with various substances	:	Reactive with oxidizing agents, acids.
Corrosivity	:	Non-corrosive in presence of glass.
Special Remarks on Reactivity	:	Not available.
Special Remarks on Corrosivity	:	Not available.
Polymerization	:	Will not occur.

TOXICOLOGICAL INFORMATION

Routes of Entry	:	Inhalation. Ingestion.
Toxicity to Animals		
LD50	:	Not available. LC50 : Not available.
Chronic Effects on Humans	:	May cause damage to the following organs: cardiovascular system.
Other Toxic Effects on Humans	:	Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.
Special Remarks on Toxicity to Animals	:	Not available.
Special Remarks on Chronic Effects on Humans	:	Not available.
Special Remarks on other Toxic Effects on Humans	:	
Acute Potential Health Effects	:	Nuisance dust.

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Skin	:	May cause skin irritation. Low hazard for usual industrial handling.
Eyes	:	May cause eye irritation.
Inhalation	:	May cause respiratory tract irritation.
Ingestion	:	May cause tract irritation. Excess exposure may disturbances The toxicological properties of this substance have not been fully investigated.

ECOLOGICAL INFORMATION

Ecotoxicity	:	Not available.
BOD5 and COD	:	Not available.
Products of Biodegradation	:	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	:	The product itself and its products of degradation are not toxic.
Special Remarks on the Products of Biodegradation	:	Not available.

DISPOSAL CONSIDERATIONS

Waste Disposal : Waste must be disposed of in accordance with federal, state and local environmental control regulations.

TRANSPORT INFORMATION

DOT Classification	:	Not a DOT controlled material (United States).
Identification	:	Not applicable.
Special Provisions for Transport	:	Not applicable.

OTHER REGULATORY INFORMATION

Federal and State Regulations	:	No products were found.
Other Regulations	:	Not available.
Other Classifications :		
WHMIS (Canada)	:	Not controlled under WHMIS (Canada).
DSCCL (EEC)	:	This product is not classified according to the EU regulations. S22- Do not breathe dust.
HMIS (U.S.A.):		
Health Hazard	:	1
Fire Hazard	:	0
Reactivity	:	0
Personal Protection	:	E
<i>National Fire Protection Association (U.S.A.)</i>		
Health	:	1
Flammability	:	0
Reactivity	:	0
Specific hazard		
Protective Equipment	:	Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Safety glasses.



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