



Safety Data Sheet

BASIC MAGNESIUM CARBONATE E 504 (ii)

Section I : Chemical Product and Company Identification

Chemical Name : Magnesium Carbonate
Trade name : Extra Light Magnesium Carbonate, Light Magnesium Carbonate, Light Magnesium Carbonate (E504 ii)
Synonyms : Magnesium Carbonate Hydroxide, Magnesium Carbonate basic
CAS Number : 546-93-0
EINECS Number : 235-192-7
Molecular weight : 485,65
Formula : 4MgCO₃.Mg(OH)₂.5H₂O

Health :	1			
Flammability :	0			
Reactivity :	1			
Personal Protection	E			
Hazard rating :				
Least	Slight	Moderate	High	Extreme
0	1	2	3	4

Product use : Additive for nutraceutical and food, chemical industry requiring high purity Magnesium Carbonate

Supplier : SCORA, rue de l'Usine, F-62132, France
 Tel : +33 3 21 85 02 81
 Fax : +33 3 21 85 27 80

CHEMTREC (24h Emergency telephone), call : 1 800 424 9300
International CHEMTREC, call : 1 703 527 3887

Section II : Composition / Information on Ingredients

Material	Formula	Percent (wt/wt)	CAS N°	EU Classification
Magnesium Carbonate	4MgCO ₃ .Mg(OH) ₂ .5H ₂ O	approx. 100%	546-93-0	None

Notes : This product can also be described as:

CAS: 7760-50-1, 39409-82-0, 546-93-0, 12143-96-0, 12125-28-9, 137-00-5. All CAS Numbers refer to the same structure and composition with possibly small variation in the number of molecules.

Section III : Hazards Identifications

Emergency Overview : No specific risk for health and environment.
 However avoid long term exposure to skin or by inhalation.

Potential health effects : Eyes

Dust or powder may irritate eye tissue

Potential health effects : Skin

No adverse effects expected.

Potential health effects : Ingestion

Magnesium carbonate is a food additive, Diarrhea can occur when ingested in very large quantity

Potential health effects : Inhalation

Dusts of this product may cause irritation of the nose, throat, and respiratory tract

Medical conditions aggravated by exposure

No information available

Potential Environmental Effects

No significant environmental effects



Section IV : First Aid measures

First aid : Eyes

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

First aid : Skin

For skin contact, wash with soap and water. Get medical advice if irritation persists.

First aid : Ingestion

Product is not considered toxic in small amounts

Ingestion of large amounts may cause diarrhea. Expected to be a low ingestion hazard. Do not induce vomiting, get medical advice

First aid : Inhalation

Remove from exposure and move to fresh air immediately

Section V : Fire Fighting Measures

Flammability : Not-flammable

Flash Points : Not applicable

Auto-ignition : Not applicable

Flammable limits : Not applicable

Extinguishing Media : Material is non-combustible. Follow fire-extinguishing procedures for surrounding combustibles

Fire fighting Procedures : This product does not burn. No special equipment required.

Fire/Explosion Hazards : not known

Section VI : Accidental Release Measures

Containment procedures

Contain the discharged material

Clean-up procedures

Provide adequate ventilation, vacuum or sweep up material and place into a suitable disposal container

Evacuation procedures

None necessary

Section VII : Handling and Storage

Handling :

Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid breathing dust.

Storage :

Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from strong acids.

Section VIII : Exposure Controls / Personal Protection

General product information

Keep formation of airborne dusts to a minimum. Follow the recommended exposure limits.

Exposure limits :

Chemical name	ACGIH threshold limit value (TLV)	NIOSH	OSHA – final Permissible exposure limit (PEL)
Magnesium Carbonate	5mg/m ³ respirable particles and 10mg/m ³ inhalable particles	10mg/m ³ TWA (total dust); 5mg/m ³ TWA (respirable dust) (listed under Magnesium Carbonate)	15 mg/m ³ (total dust); 5 mg/m ³ (respirable fraction)

Ventilation :

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits.

Personal respirators :

If the recommended exposure limit is exceeded, a NIOSH/MSHA approved dust respirator must be worn.



Eyes protection :

Wear appropriate protective eyeglasses or chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

Skin protection :

Wear appropriate protective clothing to minimize contact with the skin.

Section IX : Physical and Chemical Properties

Physical Form : Solid

Appearance : White powder

Odor : Odorless

Molecular weight : 485,65

Specific gravity : 2,16

Decomposition temperature : Loose water and CO2 above 230°C

Boiling point : N/A

Freezing/melting point : N/A

pH : no information

Vapor pressure : N/A

Vapor density : N/A

Solubility : Slightly soluble in water (0,04g/100ml water)

Section X : Stability and Reactivity

Chemical Stability : Stable

Conditions to avoid : Dust generation

Incompatibilities with other materials : React with strong acids or oxidizing agents

Hazardous polymerisation : Will not occur

Instable conditions : Excessive temperature

Decomposition temperature : above 230°C

Hazardous decomposition products : forms water, Magnesium oxide and carbon dioxide when heatd to decomposition

Section XI : Toxicological Information

Routes of entry / exposure : eyes contact, skin contact, Inhalation, ingestion

RTECS number : Not established

CAS number : 546-93-0

Toxicity data :

LD50 : No data

LC50 : No data

Chronic toxicity : No data

Carcinogenicity : No data

Epidemiology : No information found

Teratogenicity : No information found

Reproductive effects : No information found

Mutagenicity : No information found

Neurotoxicity : no information found

Section XII : Ecological Information

Acute ecotoxicity :

No information found

Chronic ecotoxicity :

No information found

Moveableness :

As solid aerosol

Dissipation :

N/A



Bioaccumulation potential :
N/A

Section XIII : Disposal Considerations

Waste disposal method :
Waste disposal should be in accordance with existing regulation

Section XIV : Transport Information

International Transportation regulation :
This product is not regulated as a hazardous material

Section XV : Regulatory Information

US FEDERAL

TSCA :
CAS# 39409-82-0 is not listed on the TSCA inventory because it is a hydrate. It is considered to be listed if the CAS number for the anhydrous form is on the inventory (40CFR720.3 (u) (2)).

Health & safety Reporting list :
None of the chemicals are on the health & Safety reporting list.

Chemical test rules :
None of the chemicals are listed under section TSCA section 12b

TSCA Significant New use Rule :
None of the chemicals in this material have a SNUR under TSCA

CERCLA Hazardous substances and corresponding RQs
None of the chemicals in this product have an RQ

SARA 313

Section 302 Extremely Hazardous Substances : None

Section 311/312 Hazardous Substances : None

Section 313 Toxic Substances : None

Clear Air Act :
This material does not contain any hazardous air pollutants.
This material does not contain any class 1 Ozone depleters
This material does not contain any class 2 Ozone depleters

Clean Water Act :
None of the chemicals in this product are listed as Hazardous substances under the CWA
None of the chemicals in this product are listed as Priority Pollutants under the CWA
None of the chemicals in this product are listed as Toxic Pollutants under the CWA

OSHA :
None of the chemicals in this product are considered highly hazardous by OSHA.

STATE :
CAS # 39409-82-0 is not present on state lists from : CA, PA, MN, MA, FL or NJ

California Prop 65 :
California no significant risk level : None of the chemicals in the product are listed

European / International Regulations

European Labelling in Accordance with EC Directives

Hazard Symbols :
None

Risk Phrases :
No risk

Safety Phrases :
None



WGK (Water Danger / Protection)

CAS# 546-93-0 : 0

Canada – DSL/NDSL :

None of the chemicals in this product are listed on the DSL or NDSL list.

Canadian –WHMIS :

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

Section XVI : Other Information

SDS creation date : September 2015

Revision : 02 of 01 February 2017

Expiry date : 3 years from last edition

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