



SAFETY DATA SHEET

CALCIUM CARBONATE

SECTION 1: PRODUCT IDENTIFICATION

PRODUCT



CARBONATOS
de calcio especializados



Name	Calcium Carbonate
Other means of identification	Limestone, Sand, Carbonate, Calcium.
Brand	Calcium Carbonate, Crecicalcio, Calcinight, Agrical PM60, Tecnicalcio
Formula	CaCO_3
Uses of product	CALCIUM CARBONATE is a specialized product for processing glass, plastics, chemical industry, paper processing. As well as its use as an aggregate in the construction industry for the production of concrete, fine and coarse finishes. In the food industry, it is used to make food for animal consumption.

MANUFACTURER

General office´s	Servicios Administrativos Calidra, S.A. de C.V. Av. Vasco de Quiroga # 1800 PH-A Col. Santa Fe Delegation Álvaro Obregón. Mexico City C.P. 01210 Tel 01 (800) 021 9711 Av. Lázaro Cárdenas #303 Col. Haciendas de la Sierra, C.P. 66250, San Pedro Garza García, Nuevo León. C.P. 66250 Tel +52 81 17 34 1520
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www.calidra.com

NORTHER REGION

NORTH OFFICES

Av. San Jeronimo #310 Piso 6 Despacho 601
Edificio Altreca, San Jeronimo, Monterrey,
Nuevo León C.P. 64640
Tel: 01 (811) 734 1520

MONTERREY PLANT

Carretera a Villa de García Km. 8.5
García Nuevo León. C.P. 66000.
Tel: 01 (818) 150 6620.

Carretera Grutas de García S/N Col. García
Municipio de García Nuevo León. C.P. 66000
Tel: 01 (811) 734 1520

TORREON PLANT

Av. 4ta. y Calle 16 Colonia Vicente Guerrero,
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Puebla, Pue. C.P.72830
Tel: 01 (222) 309 1400

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Ex-hacienda de San Martín La Joya s/n
Acajete, Puebla C.P. 75111
Tels.: 01 (223) 275 3600

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Cerro Tenayo El Chico s/n
Buenavista Yautepec Centro, Morelos
C.P.62730 Tel: 01 (735)394 1775

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Av. Industrial s/n, Colonia Centro, Apaxco
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Obregón Hidalgo C.P. 42730 Tel: 01
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San Joaquín KM. 5, Vizarrón, Cadereyta,
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C.P. 76680 Tel: 01 (441) 296 4104

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C.P.48540 Tel: 01 (385) 776 4154

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Av. J. Miguel Fernandez #1 Colonia
Huescalapa, Zapotilic Jalisco
C.P.49630 Tel: 01 (341)414 2184

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Cruz de las Flores, Tlajomulco de
Zuñiga Jalisco C.P. 45640
Tel: 01 (333) 796 0769

MICHOACAN PLANT

De La Galera Hacia Abajo,
Jungapeo, Michoacán
C.P. 61470 Tel: 01 (715) 163 9923

AGUASCALIENTES PLANT

Av. Héroe de Nacozari Norte #3007
Fracc. Las Hadas, Aguascalientes,
Aguascalientes. C.P. 20140.
Tel: 01 (449) 914 2206

SAN LUIS POTOSI PLANT

Carretera Central Km 1.5 Tramo SLP-
Huizache, San Francisco Soledad De
Graciano Sánchez, San Luis Potosí. C.P
78435 Tel: 01 (444)818 1516 / 01 (800) 480
3700

Carretera San Luis Potosí-Rio Verde Km.
32, Poblado Los Matías, Zaragoza, San
Luis Potosí C.P. 79540 Tel: (444) 818 1516

Acceso Norte #110 Col. Industrial
Mexicana San Luis Potosí, S.L.P C.P. 78435
Tel: 01 (444) 812 3119

ZACATECAS PLANT

Carretera Zacatecas-Saltillo Km 24.1
Laguna Seca Panuco, Zacatecas.
C.P. 98548 Tel: 01 (492) 949 0214

SECTION 2. HAZARD(S) IDENTIFICATION

Signal Word

Attention

Hazard Symbols



Hazard

H 317: May cause an allergic skin reaction 1B.
H 320: Causes eye irritation 2B.
H 335: May irritate the respiratory tract 3.

Precautionary Statements:

PREVENTION
P261: Avoid breathing dust.
P264: Wash carefully after handling the product.

P280: Wear protective gloves / protective clothing / eye protection / face protection

RESPONSE:

P314: Get medical attention if you feel unwell.
 P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P302+P352: IF ON SKIN: Wash with plenty of soap and water.
 P332+P313: If skin irritation occurs: get medical attention.
 P305+P351: IF IN EYES: Rinse cautiously with water for several minutes.

STORAGE:

P402: Store (dry product) in dry place.

DISPONSAL:

P501: Dispose of contents and container in accordance with local, regional, national and international regulations

WHMIS/GHS/ NOM 018STPS Others hazards	Eye damage / Eye irritation - Category 2B Mild Cutaneous Irritation - Category 3 Respiratory sensitization -Category 1A and 2B No
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SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient name	Concentration %	CAS number
Calcium Carbonate CaCO3	90-98.5%	1317-65-3

SECTION 4: FIRST AID MEASURES

Inhalation	Remove from the source of dust or take the victim to fresh air. Get medical attention immediately, if the victim does not breathe, give artificial respiration
Ingestion	Do not induce vomiting. Contact a doctor immediately
Skin Contact	Wash gently and carefully with water. Consult your doctor if the exposed area is large or if irritation persists
Eye Contact	Do not rub your eyes. Contact with dust can cause irritation by rubbing. Wash eyes immediately with water. Consult your doctor if necessary.

SECTION 5: FIRE-FIGHTING MEASURES

Fire	Not considered to be a fire hazard.
Explosion	Not considered to be an Explosion Hazard.
Fire Extinguishing Media	<i>Appropriate extinction measures The product is not combustible. Use extinction measures that are appropriate to local circumstances and the surrounding environment.</i>

Special Information

*Recommendations for firefighting personnel
Avoid the generation of dust. Use respirators*

SECTION 6: MEASURES IN CASE OF ACCIDENTAL RELEASE

Steps to be taken in case material is spilled

- Ventilate the area of the leak or spill.
- Keep dust levels to a minimum.
- Keep unnecessary and unprotected people away from the spill area.
- Wear the appropriate personal protective equipment Section 8.
- Avoid inhaling dust, ensure sufficient ventilation or use suitable breathing equipment (see section 8).
- Spills: Pick up and place in a suitable container for recovery or disposal, using a method that does not generate dust.
- Contain the solid and cover it to prevent its dispersion into the environment.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

- Avoid contact with skin and eyes.
- The use of gloves is recommended.
- Keep dust levels to a minimum.
- Minimize the generation of dust.
- Avoid dust using ventilation or adequate filters in places where it is handled. Whenever possible, mechanical manipulation is better

Recommendations for storage

- Keep the material covered as much as possible to avoid generation of dust.
- Protect against physical damage.
- Isolate incompatible substances. See section 10

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient name

Exposure limits

Calcium
Carbonate

OSHA PEL (United States, 2/2013). TWA: 5mg/m³ / 8h / respirable.
TWA: 15mg/m³ / 8h / dust respirable.
ACGIH TLV (United States , 4/2014).
TWA: 5mg/m³ / 8h
NIOSH REL (United States , 10/2013)
TWA: 5mg/m³ / 10h Respirable Fraction
TWA: 10mg/m³ / 10h Total Dust.

MSHA PEL
TWA: 8/40 h: 5mg/m³

Engineering Control Measures:

- *Ventilation: Ensure adequate ventilation in workplace and apply appropriate PPE as necessary.*
- *Dust Control: Use exhaust ventilation or other engineering controls at handling points to keep airborne levels below recommended exposure limits and /or wear personal protective equipment*

- *Eye Wash: Keep emergency eye wash supplies at the workplace.*
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- Personal Protective Equipment:**
- *Eye Protection: Use chemical safety goggles and/or full face shield where dusting or splashing of solutions is possible. Maintain eye wash fountain and quick-drench facilities in work area.*
 - *Hand protection: Wear dry protective gloves*
 - *Skin protection: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.*
 - *Footwear: Boots resistant to alkaline material.*
 - *Respiratory protection: Follow OSHA respirator guidelines found in 29 CFR 1910.134 or European Standard EN 149.*



Hygiene: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using lavatory and the end of the working period. Wear clean, dry personal protective equipment.

Environmental: Ventilation systems should be filtered before discharge to atmosphere.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Common Name:	Calcium carbonate, limestone.
Chemical Formula:	CaCO ₃
Molecular weight:	100.90 g/M
Physical State:	Solid powder
Color:	White, Gray
Odor:	Odorless
Stability:	Reactive
Flammability:	Non-flammable
Explosivity:	Not-flammable
Flas Pt:	Non-Combustible
Melting Point:	Not applicable
Boiling Point:	Not applicable
Vapor Density:	Not applicable
Solubility in Water:	Insoluble in Water
Density	1.30-1.55 kg/l
PH:	8.5-9.4
% Volátiles	0
Vapor Press	Not applicable
Freezing Point	Not applicable
Self ignition	Not applicable
Viscosity	Not applicable
Partition	Not available
Coefficient:	
Evaporation	Not available

Decomposition temperature: 900°C (1652°F)
Additives: Not applicable

SECTION 10: STABILITY AND REACTIVITY

Reactivity	The material is stable. It can react with acids, fluorine reactive compounds, bromine reactive compounds, reactive metal powder and ammonium salts.
Chemical Stability	Calcium carbonate is chemically stable
Possibility of Hazardous Reactions	Calcium carbonate forms calcium oxide at high sustained temperatures
Conditions to avoid	Do not allow Calcium carbonate to come in contact with incompatible materials
Incompatible materials	Calcium carbonate should not be mixed or stored with the following materials due to the potential for violent reactions and heat release: Acids (only in controlled processes), Reagent Fluorescent Compounds, Reagent Brominated Compounds, Metal Reagent Powder, Aluminum Salts
Hazardous Decomposition Products	No

SECTION 11: TOXICOLOGICAL INFORMATION

Routes of entry	By ingestion and inhalation, contact with skin, eyes, mucous membranes in general
Effects or prolonged exposure	<p>Skin: Adverse symptoms may include the following: pain – watering – redness. (500mg/24h, moderate).</p> <p>Eyes: Hazardous with eye contact. Possible lesions and blindness if left untreated for prolonged period. 750mg/24hr- severe damage.</p> <p>Inhalation: If it is inhaled in the dust form generated irritation in respiratory tract, cough and sneezing.</p> <p>Ingestion: May cause gastro-intestinal irritation and pain, vomiting, diarrhea, drop in blood pressure. Extent of damage depends on amount ingested.</p>
Effects for cronical exposure	<p>No symptoms of chronic exposure have been reported. This product may contain traces of silica crystals, excessive inhalation with these crystals may result in respiratory diseases such as silicosis, pneumoconiosis and pulmonary fibrosis.</p> <p>Carcinogenicity: No carcinogenicity data are available for this product. Calcium carbonate is not listed as a carcinogen by ACGIH, MSHA, OSHA, NTP, DFG. RSST or IAARC.</p>

SECTION 12: ECOLOGICAL INFORMATION

Toxicity:	Ninguna.
Persistence and degradability:	Not applicable
Bioaccumulative potential:	This material shows no effect of bioaccumulation and toxicity of the concentration of the food chain
Mobility in soil:	Minimum mobility in the ground.
Other adverse effects:	No relevant information available.
Additional information	No other additional information.

SECTION 13: DISPONSAL CONSIDERATIONS

- The spill that generates dust can expose the cleaning staff to respirable crystalline silica. It may be necessary to wet spilled material and / or wear respiratory protection equipment. Do not dry clean spilled material without PPE. Prevent spilled materials from entering inadvertently into streams, drains or sewers
- Recover in a dry state if possible and minimize dispersion in the air. Reuse clean or non-contaminated materials. Dispose of waste materials in accordance with applicable federal, state and local laws and regulations

SECTION 14: TRANSPORT / SHIPPING INFORMATION

- Calcium Carbonate is not classified as dangerous for transport.
- See the regulations for land transportation of hazardous materials and wastes.
- Transport in closed containers that are vertical and safe. Make sure that the people who transport the product know what to do in case of accident or spill.

SECTION 15: REGULATORY INFORMATION

OSHA	Calcium carbonate or limestone not listed as carcinogenic
SARA 311/312	Not listed
CERCLA	Calcium carbonate is not on the list
TSCA/DSL	Listed under CAS 1317-65-3. Exempt from DLS as natural.
RCRA	Calcium Carbonate is not listed or classified
CWA 311	Calcium Carbonate is not on the list of hazardous substances in the Clean Water Act (CWA) (11/13/79) (44FR65400).
PROP 65	Subject to the 1986 warning and labeling requirements on the Safety of Drinking Water and the Toxic Application of California Law (preposition 65) based on the presence of trace silica (at or below detection levels) known to the state of California as causing cancer. " Non-detectable concentrations are reported at 1/2 of the detection level.
TSCA	Calcium Carbonate is listed in the TSA inventory that promotes the EPA of currently commercialized chemical products, its registration is 1317-65-3 Active.
SAGARPA, COFEPRIS, FDA, FCC	Calcium Carbonate complies with the requirements of elaboration, manufacture and commercialization according to the regulations

of SAGARPA, COFEPRIS, FDA, FCC (check with the production plant the availability of this product that applies these regulations.)

SECTION 16: OTHER INFORMATION

CAS 1317-65-3

Definitions

WHMIS: Information System on Hazardous Materials Used at Work.
 GHS: Globally Harmonized System of Classification and Labeling of Chemical Products.
 ACGIH: Conference of the American Government
 NIOSH: National Institute for Occupational Health and Safety.
 MSHA: Mine, Safety and Health Administration.
 NTP: Technical Prevention Notes.
 DFG: German Foundation for Scientific Research.
 RSST: Internal Regulation of Safety and Health at Work. IARC: International Agency for Cancer Research.
 SARA: Document for the Planning of local and state emergencies around Hazardous Chemicals.
 CERCLA: Comprehensive Law on Response, Compensation and Environmental Responsibility. TSCA: Law of Control of Toxic Substances.
 RCRA: Law of Conservation and Recovery of Resources. TWA: Average Weighted in Time.
 PEL: Exposure limit Allowed. TLV: Threshold Limit Value.
 REL: Recommended exposure limit.
 PROP 65: Law of Safe Drinking Water and Law of Toxic Application.
 HMIS: Hazardous Materials Identification System.
 CAS: Abstract Chemicals Service (CAS Registration Number) CFR: Code of Federal Regulations.
 DEP: Department of Environmental Protection. DOT: Department of Transportation.
 FDA: Food and Drug Administration.
 NFPA: National Fire Protection Administration. OSHA: Occupational Health and Safety Administration.
 IATA: International Association of Air Transport. IBC: Intermediate bulk container.
 IMDG: International maritime goods.
 MARPOL: International Convention for the Prevention of Contamination of Ships.
 STPS: Secretary of Labor and Social Prevention.
 EPA: Environmental Protection Agency of the United States.
 SAGARPA: Secretary of Agriculture, Livestock, Rural Development, Fisheries and Food.
 COFEPRIS: Federal Commission for the Protection against Sanitary Risks.
 FCC: Food Chemical Code
 2/12/2024

Date of modification
Versión
Prepared by

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bbarajas@calidra.com.mx; frui@calidra.com.mx

Notice for the reader

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