

## Calcium Carbonate

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 /  
March 26, 2012 / Rules and Regulation

Revision Date: 07-Aug-2025  
Supersedes: 25-May-2017

### 1 PRODUCT & COMPANY IDENTIFICATION

**Product Name:** Calcium Carbonate  
**Synonyms:** No data available  
**INCI Name:** Calcium Carbonate  
**CAS Number:** 1317-65-3  
**Formula:** No data available  
**Product Form:** Solid (Powder)  
**Product Use:** Cosmetic use

**Distributor:** MakingCosmetics Inc.  
**Address:** 10800 231<sup>st</sup> Way NE  
Redmond, WA 98053 (USA)  
**Phone / Fax:** 425-292-9502 / 425-292-9601  
**Web:** [www.makingcosmetics.com](http://www.makingcosmetics.com)

**Emergency Telephone Number:** 1-800-424-9300 (Chemtrec)

### 2 HAZARDS IDENTIFICATION

**Classification:** Carcinogenicity (Inhalation): Category 1A

**Signal Word:** DANGER!

**Hazard Pictograms:**



**Hazard Statements:**

**Precautionary Statements:**

H350: May cause cancer by inhalation.  
Prevention: P201: Obtain special instructions before use.  
P202: Do not handle until all safety precautions have been read and understood.  
P280: Wear protective gloves/ protective clothing/ eye protection/face protection.  
Response: P308 + P313 IF exposed or concerned: Get medical advice/attention.  
Storage: P405: Store locked up.  
Disposal: P501: Dispose of contents/ container to an approved waste disposal plant.  
Eyes: May be an irritant.  
Inhalation: May cause cancer by inhalation.  
Skin: May be an irritant.  
Ingestion: May cause nausea, vomiting, and diarrhea.

**NFPA Ratings (704):**

Health	0	Minimal
Flammability	0	Minimal
Reactivity	0	Minimal
Specific Hazard	N/A	

**HMIS® IV Ratings:**

Health	1	Slight
Flammability	0	Minimal
Reactivity	0	Minimal

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %	Molecular Weight
Calcium Carbonate	1317-65-3	≥90 - <100%	Not available

### 4 FIRST AID MEASURES

**Eyes:** Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing.

**Inhalation:** Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. If symptoms persist, call a physician.

**Skin:** Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.

**Ingestion:** Do Not Induce Vomiting. Never give anything by mouth to an unconscious person. Clean mouth with water and drink afterwards plenty of water. Do not give milk or alcoholic beverages.

## 5 FIRE-FIGHTING MEASURES

<b>Suitable (and unsuitable) extinguishing media:</b>	May be combustible at high temperatures. Use appropriate media for surrounding environment and adjacent fire. No unsuitable extinguish media listed.
<b>Special protective equipment &amp; precautions for firefighters:</b>	Wear self-contained breathing apparatus and full protective clothing, including eye protection and boots. Follow Standard procedure for chemical fires.
<b>Flash Points:</b>	Does not flash.
<b>Specific hazards arising from the chemical:</b>	No hazardous combustion products are known. See also Stability and reactivity section.

## 6 ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment &amp; emergency procedures:</b>	Avoid dust formation. Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.
<b>Environmental precautions:</b>	Avoid liquid release into sewers/public water/environment. Notify environmental authorities in case of leak.
<b>Methods and material for containment and cleaning up:</b>	Sweep up and shovel. Keep in suitable, closed containers for disposal. Dispose of absorbed material in accordance with the regulations.

## 7 HANDLING & STORAGE

<b>Precautions for safe handling:</b>	Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed. Use good personal hygiene practice. See section 8 for recommendations on the use of personal protective equipment.
<b>Conditions for safe storage, incl. any incompatibilities:</b>	Keep container tightly closed in a dry and well-ventilated place. Do not store near acids. Store away from incompatible materials (see section 10 for incompatibilities).

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Ground calcium carbonate (GCC) (CAS: 1317-65-3)	15 mg/m <sup>3</sup>	TWA (Total dust)	OSHA Z-1
	5 mg/m <sup>3</sup>	TWA (Respirable fraction)	OSHA Z-1
	15 mg/m <sup>3</sup>	TWA (Total dust)	OSHA P0
	5 mg/m <sup>3</sup>	TWA (Respirable dust fraction)	OSHA P0
Silica, crystalline (quartz) (CAS: 14808-60-7)	10 mg/m <sup>3</sup> / %SiO <sub>2</sub> +2	TWA (Respirable)	OSHA Z-3
	250 mppcf / %SiO <sub>2</sub> +5	TWA (Respirable)	OSHA Z-3
	0.05 mg/m <sup>3</sup>	TWA (Respirable dust)	OSHA Z-1
	0.1 mg/m <sup>3</sup>	TWA (Respirable dust fraction)	OSHA P0
	0.025 mg/m <sup>3</sup> (Silica)	TWA (Respirable fraction)	ACGIH
	0.05 mg/m <sup>3</sup> (Silica)	TWA (Respirable dust)	NIOSH REL

TWA: Time Weighted Average over 8 hours of work.

TLV: Threshold Limit Value over 8 hours of work.

REL: Recommended Exposure Limit

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.

IDLH: Immediately Dangerous to Life or Health

WEEL: Workplace Environmental Exposure Levels

CEIL: Ceiling

### Personal Protection:

<b>Eyes:</b>	Wear safety glasses.
<b>Inhalation:</b>	When workers are facing concentrations above the exposure limits they must use appropriate certified respirators.
<b>Body:</b>	For prolonged or repeated contact use protective gloves and a protective suit.
<b>Other:</b>	Use good personal hygiene practices. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Powder	<b>Vapor Pressure:</b>	Not applicable
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<b>Odor:</b>	Characteristic	<b>Vapor Density:</b>	No data available
<b>Odor Threshold:</b>	Not relevant	<b>Minimum Ignition Energy:</b>	>1,000 mJ (20°C, 1,013 hPa)
<b>Color:</b>	White	<b>Flammability:</b>	The product is not flammable
<b>Molecular Weight:</b>	No data available	<b>Upper/lower Explosive Limit:</b>	Not applicable
<b>pH at 20°C:</b>	8.5 - 9.5 (Concentration: 100 g/l; Method: DIN-ISO 787/9)	<b>Flash Point:</b>	Does not flash
<b>Boiling Point:</b>	No data available	<b>Specific Gravity:</b>	No data available
<b>Melting Point/Range:</b>	1472°F (>800°C) (1,013 hPa)	<b>Water Solubility:</b>	0.014 g/l (20°C, 1,013 hPa)
<b>Relative Density:</b>	No data available	<b>Auto-Ignition Temperature:</b>	Not applicable
<b>Partition Coefficient: n-octanol/water:</b>	Not applicable	<b>Decomposition Temperature:</b>	Decomposes below the melting point (>1112°F / >600°C)
<b>Viscosity:</b>	No data available	<b>Explosive Properties:</b>	Not explosive
<b>Oxidizing Properties:</b>	No data available	<b>Burning Number:</b>	1

## 10 STABILITY AND REACTIVITY

<b>Reactivity:</b>	Stable under recommended storage conditions.
<b>Chemical Stability:</b>	No decomposition if stored and applied as directed.
<b>Hazardous Polymerization:</b>	No data available.
<b>Conditions to Avoid:</b>	No data available.
<b>Incompatible Materials:</b>	No data available.
<b>Hazardous Decomposition Products:</b>	Carbon dioxide (CO <sub>2</sub> ).
<b>Possible Hazardous Reactions:</b>	Stable under recommended storage conditions. No decomposition if used as directed. Reacts with acids. It forms carbon dioxide (CO <sub>2</sub> ). This displaces the oxygen in the air in closed spaces (danger of suffocation).

## 11 TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	No data available.
<b>Skin:</b>	No data available.
<b>Eyes:</b>	No data available.
<b>Inhalation:</b>	No data available.
<b>Ingestion:</b>	(Rat, Oral) Product Acute oral toxicity: LD50: > 5,000 mg/kg. (Rat, Oral) Ground calcium carbonate Acute oral toxicity: LD50: > 5,000 mg/kg.
<b>IARC:</b>	Group 1: Carcinogenic to humans; Silica, crystalline (quartz); CAS: 14808-60-7.
<b>NTP:</b>	Known to be human carcinogen; Silica, crystalline (quartz); CAS: 14808-60-7.
<b>Carcinogenicity:</b>	Silica, crystalline (quartz): Positive evidence from human epidemiological studies (inhalation).
<b>Teratogenicity:</b>	No data available.
<b>Germ Cell Mutagenicity:</b>	No data available.
<b>Embryotoxicity:</b>	No data available.
<b>Specific Target Organ Toxicity:</b>	Routes of exposure: Inhalation; Target Organs: Lungs; Assessment: May cause damage to organs through prolonged or repeated exposure.
<b>Reproductive Toxicity:</b>	No data available.
<b>Sensitization:</b>	No data available.

## 12 ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	No data available.
<b>Aquatic Vertebrate:</b>	(Oncorhynchus mykiss) Product; LC50: > 10,000 mg/l; Exposure time: 96 hours. (Oncorhynchus mykiss) Component: Ground calcium carbonate (GCC); LC50: > 10,000 mg/l; Exposure time: 96 hours.
<b>Aquatic Invertebrate:</b>	Component: Silica, crystalline (quartz): No toxicity at the limit of solubility. (Daphnia magna) Product; EC50: > 1,000 mg/l; Exposure time: 48 hours. (Daphnia magna) Component: Ground calcium carbonate (GCC); EC50: > 1,000 mg/l; Exposure time: 48 hours.
<b>Algae:</b>	Component: Silica, crystalline (quartz): No toxicity at the limit of solubility. (Scenedesmus subspicatus) Product; NOEC: 75 mg/l; Exposure time: 72 hours. (Desmodesmus subspicatus) Product; EC50: 289 mg/l; Exposure time: 72 hours. (Desmodesmus subspicatus) Component: Ground calcium carbonate (GCC); EC50: > 200 mg/l;

<b>Persistence and Degradability:</b>	Exposure time: 72 hours. Component: Silica, crystalline (quartz): No toxicity at the limit of solubility. Product: Not applicable; Component: Silica, crystalline (quartz): Not biodegradable; Biochemical Oxygen: Not applicable; Chemical Oxygen Demand (COD): Not applicable.
<b>Bioaccumulative Potential:</b>	Component: Ground calcium carbonate (GCC); Partition coefficient: n-octanol/water: N/A. Component: Silica, crystalline (quartz); Bioaccumulation: This substance is not considered to be persistent, bioaccumulating and toxic (PBT). Partition coefficient: n-octanol/water: N/A.
<b>Mobility in Soil: PBT and vPvB Assessment:</b>	No data available. Component: Ground calcium carbonate (GCC): Non-classified PBT substance Non-classified vPvB substance.
<b>Other Adverse Effects:</b>	Ozone-Depletion Potential: Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances. This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B). Additional ecological information: In solid state these minerals are a major part of the rocks of the earth's surface. They are dissolved in a natural state and indispensable part of the natural waters. These minerals are not biodegradable. Negative effects on the environment should therefore be excluded. Restrictions may be indicated that concentrated suspensions these minerals in natural waters may have an unfavorable effect on water organisms (disturbance of the micro flora and fauna in the sediment and subsequent detriment to the existence of higher water organisms).

## 13 DISPOSAL CONSIDERATIONS

<b>Waste Residues:</b>	Offer surplus and non-recyclable solutions to a licensed disposal company. Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies, if necessary, before disposing of waste product.
<b>Product Containers:</b>	Empty remaining contents. Empty containers should be taken to an approved waste handling site for recycling or disposal. Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies, if necessary, before disposing of waste product container.

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

## 14 TRANSPORT INFORMATION

<b>DOT (Dept. of Transportation, USA):</b>	Not applicable for product as supplied.
<b>TDG (Transportation of Dangerous Goods, Canada):</b>	No data available.
<b>IMDG (International Maritime Dangerous Goods):</b>	No data available.
<b>IATA (International Air Transport Association):</b>	No data available.
<b>ICAO (International Civil Aviation Organization):</b>	No data available.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:</b>	Not applicable for product as supplied.

## 15 REGULATORY INFORMATION

<b>TSCA Inventory Status:</b>	No data available.
<b>CERCLA RQ:</b>	This material does not contain any components with a CERCLA Reportable Quantity.
<b>SARA 304:</b>	This material does not contain any components with a section 304 Extremely Hazardous Substances Reportable Quantity.
<b>SARA 302:</b>	This material does not contain any components with a section 302 Extremely Hazardous Substances Threshold Planning Quantity.
<b>SARA 311/312 Hazards:</b>	Acute/Chronic Health Hazard.
<b>SARA 313:</b>	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
<b>Clean Air Act:</b>	This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B). This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

	This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F). This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).
<b>Clean Water Act:</b>	This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A. This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3. This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307.
<b>California Prop. 65:</b>	WARNING: This product can expose you to chemicals, including Crystalline Silica (quartz) of airborne particles of respirable size, which is known to the State of California to cause cancer, birth defects, and other reproductive harm. For more information, go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
<b>MA Right to Know:</b>	Ground calcium carbonate (GCC) [CAS: 1317-65-3], Silica, crystalline (quartz) [CAS: 14808-60-7].
<b>PA Right to Know:</b>	Ground calcium carbonate (GCC) [CAS: 1317-65-3].
<b>Canada (DSL):</b>	No data available.
<b>EU (EINECS):</b>	No data available.
<b>China (IECSC):</b>	No data available.
<b>Australia (AICS):</b>	No data available.
<b>Japan (ENCS):</b>	No data available.
<b>Philippines (PICCS):</b>	No data available.
<b>Korea (KECI):</b>	No data available.
<b>New Zealand (NZIoC):</b>	No data available.

## 16 OTHER INFORMATION

<b>Revision Date:</b>	21-Jan-2025
<b>Compliance:</b>	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
<b>Disclaimer:</b>	This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.