



Product Name: 98G (Mini Grade)

Updated: December 2018

Section 1 – PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: Calcium Products, 2520 N. Loop Dr., Suite 7100, Ames, IA 50010
Product Name: 98G (Mini Grade)
Common Name: Calcium carbonate, limestone
Chemical Name: Calcium carbonate
Chemical formula: CaCO₃
Chemical Type: Mineral ore
Emergency Contact: (800) 255-8196 (M – F, 7:30am – 4:30pm CST)
Poison Control: (800) 222-1222 (24 hours)

Section 2 – HAZARDS IDENTIFICATION

DESCRIPTION: Brown granular mix with slight mineral odor.

HEALTH HAZARDS: May be irritating to the respiratory tract, eyes, and skin. Ingestion may cause gastrointestinal upset.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing respiratory, skin, or eye conditions.

EYE CONTACT: Direct contact with dust may cause irritation by mechanical abrasion.

SKIN CONTACT: Direct contact may cause irritation by mechanical abrasion.

INGESTION: If ingested, intestinal obstruction may occur if the material hardens, especially in the pyloric region.

INHALATION: Dusts may irritate the nose, throat, and respiratory tract by mechanical abrasion. Coughing, sneezing, and shortness of breath may occur following exposures in excess of appropriate exposure limits.

Section 3 – COMPOSITION & INFORMATION ON INGREDIENTS

INGREDIENTS	CAS REGISTRY#	% BY WEIGHT	MSHA/OSHA PEL	ACGIH TLV
Calcium carbonate	1317-65-3	85-95%	(T) 15 mg/m ³	(I) 10 mg/m ³
Calcium lignosulfonate	8061-52-7	1-2%		

(T) = total dust (I) = inhalable fraction

Section 4 – FIRST AID MEASURES

EYES: In case of contact, immediately flush eyes with water for a minimum of 15 minutes. Warm water is recommended but cold water may be used.

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SKIN: In case of skin contact, immediately rinse area with water. Cover irritated area with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Seek medical attention if irritation persists.

INGESTION: Small amounts of (a tablespoon) swallowed during normal handling operations are not likely to cause injury or irritation. Ingestion of large amounts may cause gastrointestinal irritation and blockage. Seek medical attention if conditions worsen.

INHALATION: If a person inhales a large amount of nuisance dust, move exposed person to fresh air at once. Other measures are usually unnecessary.

Section 5 – FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES: Not flammable or combustible. NFPA Hazard Class No: 1/0/0

EXTINGUISHING AGENT: Dry chemical, foam, water, fog or spray.

FLAMMABLE LIMITS IN AIR: Not flammable.

UNUSUAL FIRE AND EXPLOSION HAZARD: None.

Section 6 – ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Use dry methods to collect spilled materials and reuse clean materials. Avoid generating dust. Do not clean up with compressed air. Minimize dust by evacuating area downwind in the case of large spills. Store contaminated materials in dry, sealed plastic or non-aluminum metal containers. Residues on surfaces may be washed with water.

None of the components in this product are subject to the reporting requirements of Title III or SARA, 1986 and 40 CFR 372.

Section 7 – HANDLING AND STORAGE

Store in a cool, dry, well-ventilated location. Do not store near acids or other incompatible materials. Keep away from moisture.

Respirable quartz containing dust may be generated during processing, handling, and storage. Do not breathe dust and avoid contact with skin or eyes.

Section 8 – EXPOSURE CONTROL & PERSONAL PROTECTION

RESPIRATORY PROTECTION: NIOSH approved particulate respirator if required.

EYE PROTECTION: Safety glasses with side shield, goggles, or face mask recommended.

SKIN PROTECTION: No personal protection is recommended.

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VENTILATION: Local exhaust ventilation recommended.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Light brown granular mix with slight detectable odor.

SPECIFIC GRAVITY: 2.7 – 2.9 g/cc **pH:** 7.66

BOILING POINT: N/A **VAPOR PRESURE:** N/A

VAPOR DENSITY IN AIR: N/A **FLASH POINT:** Not flammable.

EVAPORATION RATE: Zero **SOLUBILITY IN WATER:** Negligible

Section 10 – STABILITY AND REACTIVITY

STABILITY: Stable **CONDITIONS TO AVOID:** Temperatures above 825°C

INCOMPATIBILITY (Materials to avoid):

Material is soluble in acid with concomitant release of carbon dioxide. Avoid exposure to acids.

HAZARDOUS DECOMPOSITION PRODUCTS:

When heated to high temperatures above 825°C, product may decompose to calcium oxide with release of carbon dioxide.

Section 11 – TOXICOLOGICAL INFORMATION

Calcium carbonate

NOTE: Calcium Products has not conducted specific toxicity tests on this product.

Exposure route: Inhalation, skin, and/or eye contact.

Target organs: Eyes, skin, respiratory system.

Acute Effect: Calcium carbonate dust has an irritant effect on eyes, skin, and respiratory system. It has been reported that there may be a silicosis risk when using impure limestone containing an excess of 3% quartz. However, it is claimed that pure calcium carbonate does not cause pneumoconiosis. Adverse health effects have generally not been reported in literature among workers exposed to CaCO₃.

Section 12 – ECOLOGICAL INFORMATION

Calcium carbonate

Note: Calcium Products has not conducted specific ecological tests on this product. The product is also used as an animal feed ingredient and agricultural liming material.

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Section 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD

Calcium carbonate (limestone) is not classified as a hazardous waste under RCTA Section 3001. Use normal waste disposal procedures that are in compliance with federal, state, and local regulations.

Section 14 – TRANSPORT INFORMATION

DOT HAZARD CLASSIFICATION: None

PLACARD REQUIRED: None

LABEL REQUIRED: Label as required by OSHA Hazards Communication Standard [29 CFR 1910.1200 (f)] and applicable state and local regulations.

Section 15 – REGULATORY INFORMATION

FDA: Product is manufactured for agricultural applications. As such, FDA regulations do not apply.

Section 16 – OTHER INFORMATION

Revised June 2015

CFR: US Code of Federal Regulations

DOT: Department of Transportation

IARC: International Agency for Research on Cancer

IDLH: Immediately Dangerous to Life and Health

NIOSH: National Institute for Occupational Safety and Health, US Department of Health and Human Services

NTP: National Toxicology Program

OSHA: Occupational Safety and Health Administration

PEL: Permissible Exposure Limits

SARA Title III: Title III of the Superfund Amendments and Reauthorization Act, 1986

TLV: Threshold Limit Value

TWA: Time-weighted Average

FDA: Food and Drug Administration