

Safety Data Sheet

Marfill Calcium Carbonate

SDS No. 9617.11

Date of Preparation: 5/9/96

Revision: 9/25/23

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: Marfill Calcium Carbonate

Synonyms: Ground Limestone, Marble Dust

General Use: Filler or extender

Manufacturer: The R. J. Marshall Company

26776 W. 12 Mile Road

Southfield, MI 48034-7807

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Date Revised: 9/25/23

Preparer: Stephanie Nichols

Section 2 - Hazards Identification

Classification of the chemical in accordance with paragraph (d) of 1910.1200: This material is hazardous.

Signal Word: Danger



Symbol:

Hazard Statements: May cause cancer by inhalation.

Precautionary Statements:

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Use personal protective equipment as required.

If exposed or concerned: get medical advice/attention.

Dispose of contents/containers to an approved waste disposal plant.

Hazards not otherwise classified: None

HMIS

H 0

F 0

R 0

PPE† E

†Sec. 8

Section 3 - Composition / Information on Ingredients

| Ingredient Name | CAS Number | % Weight |
|---------------------|------------|----------|
| Calcium Carbonate | 1317-65-3 | 94-98% |
| Magnesium Carbonate | 546-93-2 | 1.2-5.8% |
| Crystalline Silica | 14808-60-7 | 0.2-0.8% |

Section 4 - First Aid Measures

Description of necessary measures subdivided according to the different routes of exposure:

Inhalation: If overcome by high dust concentrations, remove to a ventilated area.

Eye Contact: Flush eyes thoroughly taking care to rinse under eyelids. Do not scrub. Abrasion may cause irritation. If discomfort continues, continue to wash with water. If irritation persists, consult a physician.

Skin Contact: Wash skin thoroughly with soap and water. Consult a physician if irritation persists.

Ingestion: Ingestion of very large quantities may result in intestinal obstruction and/or constipation. Considered to be of very low toxicity.

Most important symptoms/effects, acute and delayed: None

Indication of immediate medical attention and special treatment needed: None

Section 5 - Fire-Fighting Measures

Suitable Extinguishing Media: Use extinguishing measures that are appropriate for the surrounding environment.

Unsuitable Extinguishing Media: None

Unusual Fire or Explosion Hazards: None known.

Hazardous Combustion Products: None.

Fire-Fighting Instructions: Do not release runoff from fire control methods to sewers or waterways.

Fire-Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face-piece operated in pressure-demand or positive-pressure mode.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: Avoid dust formation.

Methods and materials for containment and cleaning up: Collect solids. Recycle if possible.

Section 7 - Handling and Storage

Precautions for Safe Handling: Avoid generating dust during handling. Provide appropriate exhaust ventilation where dust is formed.

Storage Requirements: Keep material dry. Do not store near acids.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls:

| Ingredient | OSHA PEL | | ACGIH TLV | |
|--------------------|---|-------------|-------------|-------------|
| | TWA | STEL | TWA | STEL |
| Calcium Carbonate | 15 mg/m ³ total dust 5 mg/m ³ respirable | none estab. | none estab. | none estab. |
| Crystalline Silica | 0.05 mg/m ³ respirable dust | none estab. | none estab. | none estab. |

Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Administrative Controls:

Respiratory Protection: If required wear a MSHA/NIOSH-approved respirator.

Protective Clothing/Equipment:

Hands: Wear protective gloves to prevent prolonged or repeated skin contact.

Eyes: Wear safety glasses. Contact lenses are not eye-protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Section 9 - Physical and Chemical Properties

Appearance: white powder

Odor: odorless

Odor Threshold: not applicable

pH: 8.5-9.5 at 10% solids

Freezing/Melting Point: not applicable

Boiling Point: not applicable

Flash Point: None known.

Flash Point Method: not applicable

Evaporation Rate: not applicable

Flammability: Non-flammable.

Upper/lower flammability or explosive limits: not applicable

Vapor Pressure: not applicable

Vapor Density (Air=1): not applicable

Relative Density: 2.71

Water Solubility: negligible

Other Solubilities: not available

Partition coefficient: n-octanol/water; not applicable

Auto-ignition Temperature: not applicable

Decomposition temperature: 1799°F (981°C)

Viscosity: not applicable

Section 10 - Stability and Reactivity

Reactivity: This product is stable at room temperature in closed containers under normal storage and handling conditions.

Chemical Stability: No stability concerns.

Possibility of Hazardous Reactions: Calcium Carbonate will react with acids to form carbon dioxide.

Conditions to Avoid: Keep away from acids.

Incompatible Materials: Acids

Hazardous Decomposition Products: CO₂

Section 11- Toxicological Information

Information on the likely routes of exposure: Inhalation, Eye, Skin.

Symptoms related to the physical, chemical, and toxicological characteristics:

Eye: May cause irritation through mechanical abrasion.

Skin: May cause irritation through mechanical abrasion.

Inhalation: May result in mild irritation of the respiratory tract.

Ingestion: Unlikely.

Delayed and immediate effects and also chronic effects from short- and long-term exposure: Long-term exposure to crystalline silica can cause lung injury (silicosis).

Numerical measures of toxicity: LD₅₀ Oral (rat): >5000 mg/kg.

Carcinogenicity: IARC and NTP have determined that crystalline silica inhaled from occupational sources can cause cancer in humans. The risk of injury is dependent on the duration and level of exposure.

Section 12 – Ecological Information

Eco-toxicity: Not hazardous

Persistence and degradability: not applicable

Bio-accumulative potential: not applicable

Mobility in soil: not applicable

Section 13 – Disposal Considerations

Disposal: Recycle if possible or landfill. This substance is inert and does not require special disposal methods. Follow applicable Federal, state, and local regulations.

Section 14 – Transport Information

DOT Transportation Data (49 CFR 172.101): This product is not classified as dangerous under the transport regulations for road, rail, sea, or air transport.

UN Number: None

UN proper shipping name: None

Transport hazard class(es): None

Packing group: None

Environmental hazards: None

Transport in bulk according to Annex II of MARPOL 7/78 and the IBC Code: not applicable

Special precautions: None

Section 15 – Regulatory Information

EPA Regulations:

RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)

RCRA Hazardous Waste Classification (40 CFR 261.??): Not classified

CERCLA Hazardous Substance (40 CFR 302.4) Not listed

SARA Toxic Chemical (40 CFR 372.65): Not listed

SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed

OSHA Regulations:

Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Not listed

TSCA

This substance or all of its components are on the Chemical Substances Inventory of the Toxic Substance Control Act (TSCA Inventory [USA]). Please note that this product is not subject to any legal reporting requirements under these acts.

FDA-Food Additives Generally Recognized as Safe (GRAS): 21CFR184.1409

FDA: 21CFR175.105, 21CFR175.300, 21CFR176.170, 21CFR176.180, 21CFR177.1210, 21CFR178.3297, 40CFR180.1011(c)

Prop65: This product can expose you to chemicals including crystalline silica which is known to the State of California to cause cancer.

INTERNATIONAL REGULATIONS

Australia: Listed on AICS.

Canada: Listed on NDSL.

WHMIS: not classified

China: Listed on IECSC.

Europe: Listed on EINECS #215-279-6.

EU-Colors in Foodstuffs Directive 95/45/EC-Specific Purity Criteria for Colors as Food Additives: E170

EU-Existing Substance Regulation 793/93/EEC-Evaluation of Existing HPV Chemicals: Exempt

REACH: exempt

Japan: Listed on ENCS.

Korea: Listed on ECL #KE-21996

New Zealand: Listed on NZIoC.

Philippines: Listed on PICCS.

Taiwan: Listed on NECL.

Section 16 – Other Information

Prepared By: Stephanie Nichols

Revision Notes:

Product Grades Available from the R. J. Marshall Company (this list may be incomplete):

| | | | | |
|-----------|-----------|------------|------------|------------|
| Marfill 3 | Marfill 8 | Marfill 10 | Marfill 40 | Marfill 45 |
|-----------|-----------|------------|------------|------------|

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