Material Safety Data Sheet

Material Name: PRECIPITATED CALCIUM CARBONATE **ID: PPCC**

*** Section 1 - Chemical Product and Company Identification ***

Chemical Name: Calcium Carbonate
Product Use: Mineral Additive
Synonyms: 81.4, 81.4 (C), 8101, 8101 (C)

Manufacturer Information

Barretts Minerals Inc. (Wholly Owned Subsidiary of Specialty Minerals Inc.)
Mt. Vernon, Indiana Facility
2700 Bluff Road
Mt. Vernon, IN 47620

Phone: 1-877-684-7627

Emergency # CHEMTREC: (800) 424-9300

*** Section 2 - Composition / Information on Ingredients ***

CAS #	Component	Percent
471-34-1	Precipitated Calcium Carbonate	60-100

Component Information

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

*** Section 3 - Hazards Identification ***

Emergency Overview

This product is irritating to the eyes, respiratory system and skin.

Potential Health Effects: Eyes

Dust or powder may irritate eye tissue.

Potential Health Effects: Skin

Dust or powder may irritate the skin.

Potential Health Effects: Ingestion

No significant adverse effects are expected upon ingestion of the product.

Potential Health Effects: Inhalation

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

Medical Conditions Aggravated by Exposure

Pre-existing respiratory, skin and eye diseases.

Potential Environmental Effects

No significant environmental effects.

HMIS Ratings: Health: 0 **Fire:** 0 **Reactivity:** 0 **Pers. Prot.:** B
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

*** Section 4 - 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 immediately with soap and water.

First Aid: Ingestion

Product is not considered toxic in small amounts.

First Aid: Inhalation

Move person to non-contaminated air.

First Aid: Notes to Physician

Provide general supportive measures and treat symptomatically.

*** Section 5 - Fire Fighting Measures ***

General Fire Hazards

This material will not burn.

Hazardous Combustion Products

None identified.

Extinguishing Media

Use methods for the surrounding fire.

Fire Fighting Equipment/Instructions

None necessary.

NFPA Ratings: Health: 0 **Fire:** 0 **Reactivity:** 0
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

*** Section 6 - Accidental Release Measures ***

Containment Procedures

Contain the discharged material.

Clean-Up Procedures

Provide adequate ventilation. Cleanup personnel should use personal protective equipment to reduce eye contact, inhalation of dust, and prolonged skin contact. Use vacuum equipment with HEPA filters or wet sweeping/dust suppressant if sweeping is required. Personal safety, handling and exposure recommendations described elsewhere in this data sheet apply to exposure during clean up of spilled material and must be followed.

Evacuation Procedures

None necessary.

Special Procedures

No additional information available.

*** Section 7 - Handling and Storage ***

Handling Procedures

Avoid getting this material into contact with your skin and eyes.

Storage Procedures

Store in a cool, dry, well-ventilated area.

*** Section 8 - Exposure Controls / Personal Protection ***

Exposure Guidelines

A: General Product Information

Keep formation of airborne dusts to a minimum. Follow the ACGIH recommended exposure limit of 10 mg/m3 for Particulates Not Otherwise Classified (PNOC).

B: Component Exposure Limits

ACGIH, OSHA, and NIOSH have not developed exposure limits for any of this product's components.

Engineering Controls

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear dust goggles.

Personal Protective Equipment: Skin

Use impervious gloves.

Personal Protective Equipment: Respiratory

Use a dust mask for particulate concentrations exceeding the Occupational Exposure Limit.

Personal Protective Equipment: General

Eye wash fountain and emergency showers are recommended.

*** Section 9 - Physical & Chemical Properties ***

Appearance:	White Powder	**Odor:**	None
Physical State:	Solid	**pH:**	N/A
Vapor Pressure:	N/A	**Vapor Density:**	N/A
Boiling Point:	N/A	**Melting Point:**	Unknown
Solubility (H2O):	Partially soluble	**Specific Gravity:**	2.71

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

Stable under normal conditions.

Chemical Stability: Conditions to Avoid

Avoid contact with acids.

Incompatibility

Calcium Carbonate ignites on contact with fluorine. It is incompatible with acids, alum, ammonium salts, and mercury/hydrogen mixtures.

Hazardous Decomposition

Thermal oxidative decomposition of calcium carbonate can produce calcium oxide.

Hazardous Polymerization

Will not occur.

*** Section 11 - Toxicological Information ***

Acute and Chronic Toxicity

A: General Product Information

Overexposure to calcium carbonate may result in irritation to eyes, skin and respiratory system. Acute ingestion may result in mild gastrointestinal distress while chronic exposure may result in hypercalcemia, alkalosis and renal impairment. Approximately 70-80% of inhaled calcium carbonate was retained in the lungs. Animal studies suggest that inhalation of calcium carbonate dusts may enhance susceptibility to respiratory infection.

B: Component Analysis - LD50/LC50

Precipitated Calcium Carbonate (471-34-1)

Oral LD50 Rat: 6450 mg/kg

Carcinogenicity

A: General Product Information

No carcinogenicity data available for this product.

B: Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

*** Section 12 - Ecological Information ***

Ecotoxicity

A: General Product Information

This material is not expected to be harmful to aquatic life.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

No ecotoxicity data are available for this product's components.

Environmental Fate

This material shows no bioaccumulation or food chain concentration toxicity potential.

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions

A: General Product Information

No components are identified as hazardous wastes.

B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

If this material becomes a waste it does not meet the criteria of a hazardous waste as defined by USEPA RCRA regulations. More stringent state or local regulations may apply. Combining this material with another may alter this classification.

*** Section 14 - Transportation Information ***

US DOT Information

Shipping Name: None necessary.
Additional Info.: None.

International Transportation Regulations

This product is not regulated as a hazardous material by the United States (DOT) or Canadian (TDG) transportation regulations.

*** Section 15 - Regulatory Information ***

US Federal Regulations

A: General Product Information

TSCA - All naturally occurring components of this product are automatically included in the USEPA TSCA Inventory List per 40 CFR 710.4 (b). All other components are on the USEPA TSCA Inventory List.

FDA - This product is covered by (FDA) US 21 CFR, Part 184. Sections 184.1 and 184.1191 affirm that calcium carbonate is "Generally Recognized As Safe (GRAS) for use as a direct and indirect human food ingredient. Affirmation of a substance as GRAS is further referenced in many of the FDA food additive regulations as a basis for various applications involving direct and indirect contact with food. PCC used in paper and paperboard complies with US 21 CFR 176.170 and 176.180 for direct contact with aqueous and fatty foods, and dry foods, respectively.

B: Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

Acute Health: Yes **Chronic Health:** No **Fire:** No **Pressure:** No **Reactive:** No

State Regulations

A: General Product Information

Other state regulations may apply. Check individual state requirements.

B: Component Analysis - State

None of this product's components are listed on the state lists from CA, FL, MA, MI, MN, NJ, or PA.

Other Regulations

A: General Product Information

Canadian WHMIS Classification: Not WHMIS Regulated

B: Component Analysis - Inventory

Component	CAS #	TSCA	DSL	NDSL	EINECS	AUST	PHIL.	MITI	KOREA	ELINCS	CHINA
Precipitated Calcium Carbonate	471-34-1	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes

C: Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL

* * * Section 16 - Other Information * * *

Other Information

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Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; DOT = Department of Transportation; RCRA = Resource Conservation and Recovery Act

This is the end of MSDS # PPCC