



## Safety Data Sheet

### Section 1: Identification

**Product Name:** Xtreme Gardening CalCarb

**Use Restriction:** Mineral Additive

**Manufacturer Information:**

Reforestation Technologies International  
5355 Monterey Frontage Rd.  
Gilroy, Ca 95020  
(408) 848-9604

### Section 2: Hazard(s) Identification

**Eye Contact:** Dust or powder may irritate eye tissue.

**Skin Contact:** Dust or powder may irritate the skin.

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

**Inhalation:** Dust of this product may cause irritation of the nose, throat, and respiratory tract.

**Potential effects of exposure:** Aggravation of pre-existing respiratory, skin and eye diseases.

### Section 3: Composition/ Information on Ingredients

**Chemical Name:** CalCarb

**Chemical Abstracts Services (CAS):**

CAS#	Component
471-34-1	Precipitated Calcium Carbonate

#### **Section 4: First-Aid Measures**

**Skin Contact:** No incidents of irritation to skin have been reported. Wash thoroughly with soap and water.

**Eye Contact:** Ingredients can irritate eyes. Flush thoroughly with water. Seek medical attention if irritation persists.

**Ingestion:** Product is not considered toxic in small amounts.

**Recommendations:** For health emergencies, call your local Poison Control Center. Provide general supportive measures and treat symptomatically.

#### **Section 5: Fire-Fighting Measures**

**General Fire Hazard:** This material will not burn.

**Extinguishing Equipment:** Use methods for the surrounding fire.

**Hazardous Combustion:** None

**Special Protective Equipment:** None necessary.

#### **Section 6: Accidental Release Measures**

**Containment Procedures:** Contain the discharged material.

**Emergency 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.

**Cleanup procedures:** Personal safety, handling and exposure during clean up of spilled material and must be followed.

#### **Section 7: Handling and Storage**

**Safe Handling:** Avoid getting this material into contact with your skin and eyes.

**Safe Storage:** Store in cool dry place, well-ventilated area.

## Section 8: Exposure Controls/ Personal Protection

### Engineering Guidelines:

- **General Product Information:** Keep formation of airborne dusts to a minimum. Follow the ACGIH recommended exposure limit of 10 mg/m<sup>3</sup> for particulates not otherwise classified (PNOC).
- **Component Exposure Limits: Precipitated Calcium Carbonate (471-34-1)** NIOSH: 10 mg/m<sup>3</sup> TWA (total dust); 5 mg/m<sup>3</sup> TWA (irrespirable dust)

### Personal Protective Equipment:

- **Eyes/Face:** Wear dust goggles.
- **Skin:** Use impervious gloves.

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

**General:** Eye wash fountain and emergency showers recommended.

## Section 9: Physical and Chemical Properties

**Appearance:** White powder.

**Odor:** No appreciable odor level

**Odor Threshold:** Not applicable

**pH:** Not applicable

**Melting point/Freezing point:** Not applicable

**Flash point:** Not applicable

**Evaporation rate:** Not applicable

**Upper/Lower flammability or explosive limits:** Not applicable

**Vapor pressure:** Not applicable

**Relative density:** Not applicable

**Solubility:** Partially soluble

**Auto-ignition temperature:** Not applicable

**Decomposition temperature:** Not applicable

**Viscosity:** Not applicable

**Specific Gravity:** 2.71

## Section 10: Stability and Reactivity

**Chemical Stability:** Stable under normal conditions.

**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:** 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 hypocalcaemia, alkalosis and renal impairment. The lungs retain approximately 70-80% of inhaled calcium carbonate. Animal studies suggest that inhalation of calcium carbonate dusts may enhance susceptibility to respiratory infection.

### Component Analysis- LD50/LC50

**Precipitated Calcium Carbonate: (471-34-1)**

Oral LD50 Rat: 6450 mg/kg

**Carcinogenicity:** No data available for this product.

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

## Section 12: Ecological Information (non-mandatory)

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

**Aquatic Toxicity:** This material is not expected to be harmful to aquatic life.

## Section 13: Disposal Considerations (non-mandatory)

**Recommendations on Disposal:** If this material becomes a waste it does not meet the criteria of a hazardous waste defined by USEPA RCRA regulations. More stringent state or local regulations may apply. Combining this material with another may alter this classification. No components are identified as hazardous waste. No EPA waste numbers are applicable for this product's components.

## Section 14: Transport Information (non-mandatory)

### US DOT Information

**Shipping Name:** None necessary

**Additional Information:** 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 (non-mandatory)

### US Federal regulations:

- **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 covered by the (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.
- **Component Analysis:** None of the product's 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)

### State Regulations:

- General Product Information: Other state regulations may apply. Check individual state requirements.
- Component Analysis- State: None of this product's components are listed on the state lists from CA, FL, MA, MN, MI, NJ, or PA.

### Other Regulations:

- **General Product Information:** Canadian WHMIS Classification: Not WHMIS regulated.
- **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

- **Component Analysis-WHMIS IDL**  
No components are listed in the WHMIS IDL

<b>Section 16: other Information</b>
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**Date: August 2014**

**Notice from: REFORESTATION TECHNOLOGIES INTERNATIONAL  
Concerning This Safety Data Sheet**

**The information contained herein is offered only as a guide to the handling of these specific materials. Since such information does not relate to use of the material with any other material or in any process, any person using this information must determine for himself its suitability for any particular application. The buyer and user assume all risk and liability of use, storage and/or handling of this product not in accordance with the terms of the product label.**

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