



# SAFETY DATA SHEET

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## SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Calcium Carbonate**

PRODUCT NO: 1384

CAS NO: 471-34-1

SYNONYMS: Calcium monocarbonate

### MANUFACTURER:

ProChem, Inc.  
826 Roosevelt Road  
Rockford, IL 61109

PHONE: 815-398-1788  
FAX: 815-398-1810  
TOLL FREE: 800-795-8788

IN CASE OF TRANSPORTATION EMERGENCY CONTACT CHEM-TREC: 1-800-424-9300

## SECTION 2 HAZARDS IDENTIFICATION

### CLASSIFICATION OF SUBSTANCE OR MIXTURE

Pictogram None

Signal Word None

### Hazard Statements

H402	Harmful to aquatic life.
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### Precautionary Phrases

P273	Avoid release to the environment.
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### HMIS CLASSIFICATION:

Health: 0 Flammability: 0 Reactivity: 0

### NFPA RATING:

Health: 0 Fire: 0 Reactivity Hazard: 0

**EYE CONTACT:** May cause slight to mild irritation of the eyes.

**SKIN CONTACT:** May cause slight to mild irritation of the skin.

**INHALATION:** May be irritating to the nose, mucous membranes, and respiratory tract.

**INGESTION:** No information on the physiological effects of ingestion.

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula:  $\text{CaCO}_3$

Molecular Weight: 100.09

CHEMICAL NAME	CAS#	%
Calcium carbonate	471-34-1	100

## SECTION 4 FIRST AID MEASURES

**EYE EXPOSURE:** Immediately flush the eyes with copious amounts of water for at least 15 minutes. Assure flushing under eyelids. A victim may need assistance in keeping their eyelids open. Get immediate competent medical attention.

**SKIN EXPOSURE:** Wash affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.

**INHALATION:** Remove the victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty breathing, coughing, wheezing, or pain. In such cases seek immediate medical assistance.

**INGESTION:** Seek medical assistance immediately. Keep the victim calm. Give the victim water (only if conscious). Induce vomiting only if directed by medical personnel.

## SECTION 5 FIREFIGHTING MEASURES

**FLASH POINT:** Not applicable

**AUTO IGNITION TEMPERATURE:** None

**EXPLOSION LIMITS:** None

**EXTINGUISHING MEDIUM:** Use extinguishing measure that are appropriate to local circumstances and the surrounding environment.

**SPECIAL FIRE FIGHTING PROCEDURES:** If involved in a fire, fire fighters should be equipped with a NIOSH approved positive pressure self-contained breathing apparatus and full protective clothing.

**HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS:** None

**UNUSUAL FIRE OR EXPLOSION HAZARDS:** No unusual fire or explosion hazards.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist, or gas.

**ENVIRONMENTAL PRECAUTIONS:** No special environmental precautions required.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:** Small spills can be mixed with powdered sodium carbonate or ground limestone and swept up.

## SECTION 7 HANDLING AND STORAGE

**PRECAUTIONS FOR SAFE HANDLING:** Appropriate exhaust and ventilation. Wear personal protective equipment/face protection. Avoid contact with skin, eyes, and clothing. Avoid ingestion and inhalation.

**CONDITIONS FOR SAFE STORAGE:** Store material in a tightly sealed container away from moisture.

## SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

### EXPOSURE CONTROLS:

Component	Exposure Limits	Basis	Entity
Calcium Carbonate	10 mg/m <sup>3</sup>	TWA	NIOSH
	5 mg/m <sup>3</sup>	TWA	NIOSH

NIOSH: National Institute for Occupational Safety and Health

**EYE PROTECTION:** Always wear approved safety glasses with side shields, safety goggles, or face shield when handling a chemical substance in the laboratory.

**SKIN PROTECTION:** Chemical resistant gloves.

**VENTILATION:** If possible, handle the material in an efficient fume hood.

**RESPIRATOR:** If in form of fine dust and ventilation is not available a respirator should be worn. The use of respirators requires a Respirator Protection Program to be in compliance with 29 CFR 19-10.134.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**COLOR AND FORM:** White powder

**MELTING POINT:** 825° C

**BOILING POINT:** No data available

**MOLECULAR WEIGHT:** 100.09

**ODOR:** None

**SPECIFIC GRAVITY** 2.93

**VAPOR PRESSURE:** No data

**SOLUBILITY IN WATER:** Insoluble

## SECTION 10 STABILITY AND REACTIVITY

**STABILITY:** Air and moisture stable

**HAZARDOUS POLYMERIZATION:** No hazardous polymerization.

**CONDITIONS TO AVOID:** Excess heat. Avoid dust formation.

**INCOMPATIBILITY:** Strong acids, oxidizing agents, magnesium, and aluminum.

**DECOMPOSITION PRODUCTS:** None

## SECTION 11 TOXICOLOGICAL DATA

**RTECS DATA:** LD50 Oral – rat – > 2,000 mg/kg. LD50 Dermal – rat - >2,000 mg/kg. LC50 Inhalation – rat – 4 h - > 3 mg/l,

**CARCINOGENIC EFFECTS:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.

**MUTAGENIC EFFECTS:** No data

**TETRAOGENIC EFFECTS:** No data

**TOXICITY DATA:** No data

To the best of our knowledge the toxicological effects of this compound have not been fully investigated.

## SECTION 12 ECOLOGICAL DATA

**TOXICITY TO FISH:** Semi-static test LC50 - *Oncorhynchus mykiss* (rainbow trout) - > 100mg/l - 96 h

**TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES:** Static test EC50 - *Daphnia magna* (Water flea) - >100 mg/l - 48h

**TOXICITY TO ALGAE:** Static test ErC50 - *Desmodesmus subspicatus* (green algae) – 14 mg/l - 72 h

**TOXICITY TO BACTERIA:** Static test EC50 - activated sludge - > 1,000 mg/l - 3 h.

**ECOTOXICITY:** LC50 > 56 g/L/96h – Freshwater Fish

## SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in according to local, state, and federal regulations.

## SECTION 14 TRANSPORTATION DATA

Non-hazardous material

## SECTION 15 REGULATORY INFORMATION

**TSCA:** Listed in the TSCA Inventory

**OSHA HAZARDS:** None known

**SARA 302 COMPONENTS:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

## **SECTION 15 REGULATORY INFORMATION (Cont.)**

**SARA (TITLE 313):** Title compound not listed

## **SECTION 16 OTHER INFORMATION**

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SDS DEPT.