


**EMERGENCY NUMBERS:**

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 (CAN) CANUTEC : 1(613) 996-6666 (24hrs)  
 (USA) Anachemia : 1(518) 297-4444  
 (CAN) Anachemia : 1(514) 489-5711

WHMIS	Protective Clothing	TDG Road/Rail
Not controlled under WHMIS (Canada).		Not controlled under TDG (Canada). PIN: Not applicable. PG: Not applicable.
		

## Section I. Product Identification and Uses

<b>Product name</b>	<b>CALCIUM CARBONATE</b>	<b>CI#</b>	Not available.
<b>Chemical formula</b>	CaCO <sub>3</sub>	<b>CAS#</b>	471-34-1
<b>Synonyms</b>	Carbonic acid calcium salt, Calcium monocarbonate, Percipitated calcium carbonate, AC-1940, AC-1941, 18584, 18596	<b>Code</b>	AC-1940
<b>Supplier</b>	Anachemia Canada. 255 Norman. Lachine (Montreal), Que H8R 1A3	<b>Formula weight</b>	100.09
		<b>Supersedes</b>	
<b>Material uses</b>	For laboratory use only.		

## Section II. Ingredients

Name	CAS #	%	TLV
1) CALCIUM CARBONATE	471-34-1	100	Exposure limits: ACGIH TWA 10 mg/m <sup>3</sup> (total dust)

**Toxicity values of the hazardous ingredients**      CALCIUM CARBONATE:  
 ORAL (LD50): Acute: 6450 mg/kg (Rat).

**Section III. Physical Data**

<b>Physical state and appearance / Odor</b>	White odorless powder.
<b>pH (1% soln/water)</b>	Not applicable.
<b>Odor threshold</b>	Not available.
<b>Percent volatile</b>	Not available.
<b>Freezing point</b>	Decomposes at 825°C.
<b>Boiling point</b>	Not applicable.
<b>Specific gravity</b>	2.71 (Water = 1)
<b>Vapor density</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Water/oil dist. coeff.</b>	Not available.
<b>Evaporation rate</b>	Not available.
<b>Solubility</b>	Insoluble in cold water.

**Section IV. Fire and Explosion Data**

<b>Flash point</b>	Not applicable.
<b>Flammable limits</b>	Not applicable.
<b>Auto-ignition temperature</b>	Not available.
<b>Fire degradation products</b>	Oxides of calcium and carbon.
<b>Fire extinguishing procedures</b>	Use extinguishing media appropriate to surrounding fire conditions. Wear adequate personal protection to prevent contact with material or its combustion products. Self contained breathing apparatus with a full facepiece operated in a pressure demand or other positive pressure mode.
<b>Fire and Explosion Hazards</b>	The product is not sensitive to impact. The product is not sensitive to static discharge. Emits toxic fumes under fire conditions.

**Section V. Toxicological Properties**

<b>Routes of entry</b>	Inhalation and ingestion.
<b>Effects of Acute Exposure</b>	May be harmful by ingestion, inhalation, or skin absorption.
<b>Eye</b>	May cause irritation with discomfort or pain, local redness and swelling of the conjunctiva. IRRITATION: EYE-RABBIT 750 ug/24H SEVERE.
<b>Skin</b>	May cause irritation. IRRITATION: SKIN-RABBIT 500 mg/24H MODERATE.
<b>Inhalation</b>	May cause respiratory tract inflammation. Exposure may cause coughing and sneezing. Large amounts may cause chemical pneumonitis.
<b>Ingestion</b>	May cause gastrointestinal irritation. Large amounts may cause nausea, constipation, hypercalcemia, hemorrhage.

**Section V. Toxicological Properties**

**Effects of Chronic Overexposure** May cause dermatitis. Carcinogenic effects: Not available. Mutagenic effects: Not available. Teratogenic effects: Not available. Toxicity of the product to the reproductive system: Not available. To the best of our knowledge, the chemical, physical, and toxicity of this substance has not been fully investigated.

**Section VI. First Aid Measures**

**Eye contact** Immediately flush eyes with copious quantities of water for at least 15 minutes holding lids apart to ensure flushing of the entire surface. If irritation occurs or persists seek medical attention.

**Skin contact** Immediately flush skin with plenty of water and soap for at least 15 minutes while removing contaminated clothing and shoes. If irritation occurs or persists seek medical attention. Wash contaminated clothing before reusing.

**Inhalation** Remove patient to fresh air. Administer approved oxygen supply if breathing is difficult. Administer artificial respiration or CPR if breathing has ceased. Call a physician.

**Ingestion** If conscious, wash out mouth with water. Have conscious person drink several glasses of water to dilute. Induce vomiting. Call a physician. Never give anything by mouth to an unconscious or convulsing person.

**Section VII. Reactivity Data**

**Stability** Stable. Conditions to avoid: High temperatures, sparks, open flames and all other sources of ignition, contamination.

**Hazardous decomp. products** Not available.

**Incompatibility** Fluorine, magnesium, aluminum, silicon, ammonium salts, aluminum sulfate, hydrogen, acids, mercury.

**Reaction Products** Evolves carbon dioxide on contact with acids. Hazardous polymerization will not occur.

## Section VIII. Preventive Measures

CALCIUM CARBONATE

page 4/4

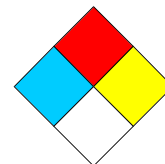
<b>Protective Clothing in case of spill and leak</b>	Wear respirator, safety glass, rubber boots and heavy rubber glove
<b>Spill and leak</b>	Evacuate the area. Sweep up and place in container for disposal. Avoid raising dust. Ventilate area and wash spill site after material pick up is complete.
<b>Waste disposal</b>	According to all applicable regulations. May be harmful to aquatic life. Can be dangerous if allowed to enter drinking water intakes. Do not contaminate domestic or irrigation water supplies, lakes, streams, ponds, or rivers.
<b>Storage and Handling</b>	Store in a well ventilated area. Store away from incompatible materials. Do not add any other material to the container. Do not wash down the drain. Do not breathe dust. Keep container tightly closed and dry. Manipulate in a well ventilated area or under an adequate fume hood. Avoid raising dust. Handle and open container with care. This product must be manipulated by qualified personnel. Do not get in eyes, on skin, or on clothing. Wash well after use. In accordance with good storage and handling practices. Do not allow smoking and food consumption while handling. Do not expose closed containers above 40°C. Product is highly hygroscopic.

## Section IX. Protective Measures

<b>Protective clothing</b>	Splash goggles. Impervious rubber gloves, coveralls, and/or other resistant protective clothing. Sufficient to protect skin. A OSHA/MSHA jointly approved respirator is advised in the absence of proper environmental controls. If more than TLV, do not breathe vapor. Wear self-contained breathing apparatus. Do not wear contact lenses. Make eye bath and emergency shower available. Ensure that eyewash station and safety shower is proximal to the work-station location.
<b>Engineering controls</b>	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. Do not use in unventilated spaces.

## Section X. Other Information

<b>Special Precautions or comments</b>	Do not breathe dust. Avoid contact with the product. Manipulate in a well ventilated area or under an adequate fume hood. Handle and open container with care. Container should be opened only by a technically qualified person. RTECS NO: FF9335000 (Calcium carbonate).
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NFPA

Prepared by MSDS Department/Département de F.S..

Validated 11-Dec-2006

Telephone# (514) 489-5711

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