

# WARD'S

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## MATERIAL SAFETY DATA SHEET

MSDS No.: CC0055  
Effective Date: January 1, 2007

### SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

<b>Product</b>	Calcium Carbonate, Powder
<b>Chemical Synonyms</b>	Limestone; Precipitated Calcium Carbonate
<b>Formula</b>	CaCO <sub>3</sub>
<b>Unit Size</b>	up to 2.5 Kg
<b>C.A.S. No.</b>	1317-65-3

	<b>CHEMTREC</b> 800-424-9300 Day 585-226-6177	<b>Health</b>	1
	<b>NFPA</b>	<b>Fire</b>	0
<b>HAZARD RATING</b>		<b>Reactivity</b>	0
MINIMAL 0	SLIGHT 1	<b>HMIS *</b>	
MODERATE 2	SERIOUS 3	SEVERE 4	

### SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Calcium Carbonate	>97%	See Section V.

**CAUTION! MAY CAUSE IRRITATION TO SKIN,**

**EYES AND RESPIRATORY TRACT.**

### SECTION III PHYSICAL DATA

Melting Point (°F)	Decomposes 825°C (1517°F)	Specific Gravity (H <sub>2</sub> O = 1)	2.7
Boiling Point (°F)	N/A	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	N/A	Evaporation Rate (=1)	N/A
Vapor Density (Air=1)	N/A		
Solubility in Water	0.0014 g/100 mL.		
Appearance & Odor	White powder; odorless.		

### SECTION IV FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point (Method Used)</b>	Non-flammable.	<b>Flammable Limits in Air % by Volume</b>	N/A	<b>Lower</b>	<b>Upper</b>
<b>Extinguisher Media</b>	Use any media suitable for extinguishing supporting fire.				

#### SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved, self-contained breathing apparatus and full protective clothing.

#### UNUSUAL FIRE AND EXPLOSION HAZARDS

The fumes evolved by burning calcium carbonate in air are composed of Calcium Oxide (quick lime). This material is irritating to the skin, eyes, and mucous membranes.

**D.O.T. NON-REGULATED.**

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20

### SECTION V HEALTH HAZARD DATA

CC0055

#### Threshold Limited Value

TWA: 10 mg/m<sup>3</sup> ACGIH 1992-93.

#### Effects of Overexposure

Inhalation of respirable dusts may aggravate respiratory tract. Exposure to dust may irritate skin and eyes. Ingestion should not cause any health problems. Target organs: None known.

#### Emergency and First Aid Procedures

**INGESTION:** Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person. **EYES:** Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **SKIN:** Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

### SECTION VI REACTIVITY DATA

<b>Stability</b>	<b>Unstable</b>		<b>Conditions to Avoid</b>	Not applicable.
	<b>Stable</b>	X		

<b>Incompatibility (Materials to Avoid)</b>	Will react with acids.
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<b>Hazardous Decomposition Products</b>	Reacts with acids to produce CO <sub>2</sub> .
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<b>Hazardous Polymerization</b>	<b>Conditions to Avoid</b>
<b>May Occur</b>	<b>Will Not Occur</b>
	X
Not applicable.	

### SECTION VII SPILL OR LEAK PROCEDURES

**Steps to be taken in case material is released or spilled**  
Care should be taken to avoid causing dust to become airborne. Sweep or vacuum up and place in a suitable container for disposal. Vacuum cleaning systems are recommended. Wash spill area with soap and water.

**Waste Disposal Method**  
Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only.

Untampered material may be disposed of in a sanitary landfill.

### SECTION VIII SPECIAL PROTECTION INFORMATION

**Respiration Protection (Specify Type)**  
None should be needed in normal laboratory handling. If dusty conditions prevail, work in a ventilation hood or wear a NIOSH/MSHA-approved dust mask.

<b>Ventilation</b>	<b>Local Exhaust</b>	<b>Recommended.</b>	<b>Special</b>	No.
	<b>Mechanical (General)</b>	<b>Recommended.</b>	<b>Other</b>	No.

<b>Protective Gloves</b>	Rubber.	<b>Eye Protection</b>	Chemical safety glasses.
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**Other Protective Equipment**  
Goggles, smock, apron, proper gloves, and eye wash station.

### SECTION IX SPECIAL PRECAUTIONS

**Precautions to be Taken in Handling & Storing**  
Store in a cool, dry place away from acids. Product becomes slippery when moistened. Wash thoroughly after handling.

**Other Precautions**  
Read label on container before using. Do not wear contact lenses when working with chemicals. For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Do not breathe dust.  
Remove and wash contaminated clothing.

<b>Revision No.</b> 7	<b>Date</b> 01/01/07	<b>Approved</b> James A. Bertsch	<b>Chemical Safety Coordinator</b> JAB
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