

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

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



CHEMTREC
800-424-9300
Day 585-226-6177

Health	1
Fire	0
Reactivity	0

NFPA

HAZARD RATING	MINIMAL	SLIGHT	MODERATE	SERIOUS	SEVERE
	0	1	2	3	4

HMIS *

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 ₂ 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

Flash Point (Method Used)	Non-flammable.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Extinguisher Media	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.

SECTION V HEALTH HAZARD DATA

CC0055

Threshold Limited Value

TWA: 10 mg/m³ 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

Stability	Unstable	Stable	Conditions to Avoid	Not applicable.
		X		

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

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.
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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.
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Uncontaminated 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.			
Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	No.

Protective Gloves	Rubber.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment	Goggles, smock, apron, proper gloves, and eye wash station.
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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.
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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.
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Do not breathe dust.
Remove and wash contaminated clothing.

Revision No. 7	Date 01/01/07	Approved James A. Bertsch	Chemical Safety Coordinator JAB
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The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. * Hazardous Materials Industrial Standards. Printed on recycled paper.

D.O.T. NON-REGULATED.

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