

MATERIAL SAFETY DATA SHEET

SECTION I NAME		24 HOUR EMERGENCY ASSISTANCE	
Product	CALCIUM CARBONATE, CHIPS	CHEMTREC 800-424-9300 Day 716-226-6177 Night 716-334-4222 NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4	Health 0
Chemical Synonyms	Marble Chips, Boiling Chips		Fire 0
Formula	CaCO ₃		Reactivity 0
Unit(s) Size	100 grams to 12 Kg.		
C.A.S. No.	471-34-1		

SECTION II HAZARDOUS INGREDIENTS OF MIXTURES		
Principal Hazardous Component(s)	%	TLV Units
Calcium Carbonate, Chips	>99%	See Section V
LOW HEALTH HAZARD FOR USUAL LABORATORY HANDLING.		

SECTION III PHYSICAL DATA			
Melting Point (°F)	Decomposes 825°C (1517°F)	Specific Gravity (H ₂ O = 1)	2.7-293
Boiling Point (°F)	Decomposes	Percent Volatile by Volume (%)	Not applicable
Vapor Pressure (mm Hg)	None as solid	Evaporation Rate (= 1)	Not applicable
Vapor Density (Air = 1)	Not applicable		
Solubility in Water	Slight		
Appearance and Odor	White stone chips; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA				
Flash Point (Method Used)	Not applicable	Flammable Limits in Air % by Volume	HA	Lower Upper
Extinguisher Media	Use any media suitable for extinguishing supporting fire.			

SPECIAL FIREFIGHTING PROCEDURES	In fire conditions, wear a NIOSH-approved self-contained breathing apparatus.
---------------------------------	---

UNUSUAL FIRE AND EXPLOSION HAZARDS	The fumes evolved by burning calcium carbonate in air is composed of calcium oxide (quick lime). This material is irritating to the skin, eyes, and mucous membranes.
------------------------------------	---

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

SECTION V HEALTH HAZARD DATA	
Threshold Limited Value	10 mg/m ³ (nuisance particulate), (ACGIH, 1982).

Effects of Overexposure	Low hazard. Treat as a nuisance dust and mild irritant for eyes, nose, throat, and mucous membranes.
Emergency and First Aid Procedures	SKIN AND EYES: Flush well with water. ORAL INGESTION: If patient is conscious, give large amounts of water to rinse mouth. Follow by several glasses of water or milk. Call a physician. DO NOT INDUCE VOMITING.

SECTION VI REACTIVITY DATA		
Stability	Unstable Stable	Conditions to Avoid
	x	Acids and acid fumes.
Incompatibility (Materials to avoid)	Acids; can react violently with fluorine, (Mg + H ₂).	
Hazardous Decomposition Products	Calcium Oxide (quick lime).	
Hazardous Polymerization	May Occur	Conditions to Avoid
	Will Not Occur	
	x	

SECTION VII SPILL OR LEAK PROCEDURES	
Steps to be taken in case material is released or spilled	Recycle or sweep up and place in a suitable container.

Waste Disposal Method	Uncontaminated material may be disposed of in a sanitary landfill.
-----------------------	--

Discharge, treatment, or disposal may be subject to federal, state, or local laws.

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-approved dust mask.			
Ventilation	Local Exhaust	Not needed	Special	No
	Mechanical (General)	Not needed	Other	No
Protective Gloves	Not required.		Eye Protection	Chemical safety glasses.
Other Protective Equipment	Goggles and lab coat.			

SECTION IX SPECIAL PRECAUTIONS	
Precautions to be Taken in Handling and Storing	Store in a cool, dry place away from acids and acid fumes. Wash thoroughly after handling.
Other Precautions	Read label on container before using.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Rev. No.	No.1	Date	1/12/87	Approved	Alexander Piccirilli	Chemical Safety Coordinator	AP
----------	------	------	---------	----------	----------------------	-----------------------------	----

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.