

MATERIAL SAFETY DATA SHEET

SECTION I NAME

Product	Boiling Chips	
Chemical Synonyms	Calcium carbonate, marble chips	
Formula	CaCO ₃	
Unit(s) Size	100 grams to 2.5 kg.	
C.A.S. No.	1317-65-3	

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
Fire: 0
Reactivity: 0

SECTION II HAZARDOUS INGREDIENTS OF MIXTURES

Principal Hazardous Component(s)	%	TLV Units
Boiling Chips (marble chips)	100%	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)	2.93
Boiling Point (°F)	Not applicable		Percent Volatile by Volume (%)	Non-volatile (NA)
Vapor Pressure (mm Hg)	None as solid		Evaporation Rate (=1)	Not applicable
Vapor Density (Air=1)	Not applicable			
Solubility in Water	0.001 gram per 100 ml of water.			
Appearance and Odor	White marble chips; no odor.			

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable solid (NA)	Flammable Limits in Air % by Volume	Lower	Upper
Extinguisher Media	Use any media suitable for extinguishing supporting fire.			

SPECIAL FIREFIGHTING PROCEDURES

None required.

UNUSUAL FIRE AND EXPLOSION HAZARDS

None known.

D.O.T. NON-REGULATED



FREY SCIENTIFIC
905 HICKORY LANE MANSFIELD OHIO 44905

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

MSDS No. Effective Date

SECTION V HEALTH HAZARD DATA

Threshold Limited Value
10 mg/m³ (nuisance particulate).

Effects of Overexposure
Low health hazard for usual laboratory handling.

Emergency and First Aid Procedures

None should be required in normal handling.

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SECTION VI REACTIVITY DATA

Stability	Unstable	Stable	Conditions to Avoid
		x	Addition of an acid in a confined container.

Incompatibility (Materials to avoid)

Acids.

Hazardous Decomposition Products

Addition of acids produces carbon dioxide.

Hazardous Polymerization

Will Not Occur

x

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled

Sweep up and place in a suitable container.

Waste Disposal Method

Uncontaminated material may be disposed of in an approved landfill.

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

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection	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	None required	Special No.
	Mechanical (General)	Recommended	Other No.

Protective Gloves	None required	Eye Protection	None should be needed, but good lab. hygiene should be followed.
Other Protective Equipment	None required.		

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.
Do not add acid to marble chips in a closed container. dangerous explosion may result.

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 Albert W. Pincus Chemical Safety Coordinator

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