

MATERIAL SAFETY DATA SHEET

Science Kii
& Boreal
Laboratories

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SECTION V HEALTH HAZARD DATA

Threshold Limited Value 10 mg/m³ (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 _____ x _____
Conditions to Avoid Acids and acid fumes.

Incompatibility (Materials to avoid) Acids; can react violently with fluorine, (Mg + H₂).

Hazardous Decomposition Products Calcium Oxide (quick lime).

Hazardous Polymerization
 May Occur _____ Will Not Occur _____
 _____ x _____
Conditions to Avoid _____

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. Keep container tightly closed when not in use.

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.

SECTION I NAME

Product CALCIUM CARBONATE, CHIPS
Chemical Synonyms Marble Chips, Boiling Chips
Formula CaCO₃
Unit(s) Size 100 grams to 12 Kg.
C.A.S. No. 471-34-1

24 HOUR EMERGENCY ASSISTANCE

CHEMTREC
800-424-9300
Day 716-226-6177
Night 716-334-4222
NFWA
HAZARD RATING
LEAST SLIGHT MODERATE HIGH EXTREME
0 1 2 3 4

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 (H₂O=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	NA	Lower	-----	Upper	-----
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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.

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