

SECTION 1 - SOURCE/IDENTITY/USE INFORMATION**MANUFACTURER**

GC AMERICA INC.
3737 West 127th St.
Alsip, Illinois, 60803
Telephone: 708-597-0900
Hours: Mon.- Fri. 8:00 am. - 5:00 pm. C.S.T.
Transportation Emergency Telephone No. 800-424-9300

COMMON NAME: SUPER-CAL
SUPER-CAL PLUS

CHEMICAL NAME: N.A.

PRODUCT USE: Dental Models - Powder

The following information is provided with regard to the toxicity and hazards of the pure components present in this product.

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

COMPONENT	C.A.S.	EXPOSURE LIMITS	LD50/LC50	%
Plaster of Paris	7778-18-9 26499-65-0	PEL=10-15mg/m ³ TLV=10-15mg/m ³ (Respirable) (OSHA) TWA=10mg/m ³ (ACGIH)	N.E.	60-100
Portland Cement	65997-15-1	PEL=10mg/m ³ TLV=15mg/m ³ (Respirable) (OSHA)	N.E.	0-10

SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT: 1450°C (Decomposes) **SPECIFIC GRAVITY (H₂O = 1):** 2.6-3.2
VAPOR PRESSURE: N.A. **MELTING POINT:** N.A.
VAPOR DENSITY: N.A. **EVAPORATION RATE:** N.A.
SOLUBILITY IN WATER: 0.2-0.3% (20°C) **ODOR THRESHOLD:** N.A.
COEFFICIENT OF OIL/WATER DISTRIBUTION: N.E.
APPEARANCE AND ODOR: White or brown free flowing powder with no odor

SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT: None **FLAMMABLE LIMITS:** N.A.
EXTINGUISHING MEDIA: Not combustible
SPECIAL FIRE FIGHTING PROCEDURES: N.A.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Reduction of Calcium Sulfate at high temperature caused violent explosion. Contact with Diazomethane vapor generates heat that can lead to detonation.
HAZARDOUS COMBUSTION PRODUCTS: Above 1450°C evolves calcium oxide and sulfur dioxide.

SECTION 5 - REACTIVITY DATA

STABILITY: Stable Unstable
POLYMERIZATION: Will Not Occur Will Occur

CONDITIONS TO AVOID: Moisture (will affect usability of product)

INCOMPATIBILITY (Materials to Avoid): Acids

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Above 1450°C -SO₂ & CaO

SECTION 6 - HEALTH HAZARD DATA and FIRST AID INFORMATION

	YES	NO	NE	NA	NTP	IARC	OSHA	OTHER
MUTAGENIC AFFECTS		X						
TERATOGENIC AFFECTS		X						
REPRODUCTIVE TOXIN		X						
CARCINOGENICITY		X						
SENSITIZER		X						

ROUTES OF ENTRY: Inhalation Skin Ingestion

HEALTH HAZARD (Acute and Chronic): May cause eye irritation. When wet will develop sufficient heat to cause burns if a large mass, such as a cast of a hand or arm, is kept in contact with skin while hardening. Inhalation may cause respiratory irritation. Ingestion may cause obstruction due to setting reaction.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: Eye irritation, coughing, sneezing, nasal irritation

CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Pre-existing upper respiratory and lung diseases.

EMERGENCY FIRST AID PROCEDURES:

EYES: Flush eyes with water for 15 minutes to remove particles. Seek medical attention if irritation develops.

SKIN: Wash with water.

INHALATION: Remove to fresh air.

INGESTION: Plaster hardens when wetted and, if ingested, may result in obstruction. Seek medical attention.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

IN CASE OF RELEASE OR SPILL: Sweep or vacuum material into waste container for disposal. Avoid creating dusty conditions. Do not wash into sewers, may plug drains. If already mixed with water, scrape up and wash to remove residue.

WASTE DISPOSAL METHOD: This material can be disposed of as an inert solid in a landfill or by other procedures that are accepted under local, state, and federal regulations.

STORAGE, HANDLING, AND SPECIAL PRECAUTIONS: Ensure proper ventilation. Respiratory and eye protection should be used in dusty conditions.

SECTION 8 - CONTROL MEASURES

RESPIRATORY PROTECTION: Provide general ventilation and local exhaust ventilation to meet TLV requirements. When dusty conditions exist wear an approved NIOSH/OSHA dust mask.

VENTILATION: Local Exhaust: Yes Mechanical: Yes Special: N.A. Other: N.A.

PROTECTIVE GLOVES: N.A.

EYE PROTECTION: Goggles

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGIENIC PRACTICE: Follow good hygiene practices. Avoid creating dusty conditions.

SECTION 9- PREPARATION INFORMATION

This data is supplied to comply with OSHA Hazard Communication Standard 29 CFR 1910,1200 and W.H.M.I.S. CPR

DATE: 09 January 2006

REVIEWED: 24 February 2009

N.A. = NOT APPLICABLE

N.E. = NOT ESTABLISHED

The information herein is given in good faith but no warranty expressed or implied is made.

FIRE - 0

TOXICITY - 1

NFPA

REACTIVITY - 0

SPECIAL -