

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 a.m.-5:00 p.m. C.S.T.
Transportation Emergency No. 800-424-9300

COMMON NAME: COECAL BUFF, COECAL WHITE**CHEMICAL NAME:** Modified Calcium Sulfate Hemihydrate**PRODUCT USE:** Dental models**SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

COMPONENT	C.A.S.	EXPOSURE LIMITS	LD50/LC50	%
Plaster of Paris	26499-65-0	PEL=10mg/m ³ TLV=15mg/m ³ (respirable) (OSHA) TLV=5mg/m ³	N.E.	>95
Crystalline Silica	14808-60-7	TWA=0.1mg/m ³ (Respirable Dust) (ACGIH)	N.A.	<5

SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT: 1450°C (decomposes) **SPECIFIC GRAVITY (H₂O=1):** 2.7-3.0
VAPOR PRESSURE: N.A. **MELTING POINT:** N.A.
VAPOR DENSITY: N.A. **EVAPORATION RATE:** N.A.
SOLUBILITY IN WATER: 0.2% **ODOR THRESHOLD:** N.A.
COEFFICIENT OF OIL/WATER DISTRIBUTION: N.E. **APPEARANCE AND ODOR:** White to tan free flowing powder

SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT: None **FLAMMABLE LIMITS:** N.A.
EXTINGUISHING MEDIA: Not Combustible **SPECIAL FIRE FIGHTING PROCEDURES:** N.E.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Reduction of Plaster of Paris at high temperature caused violent explosion. Contact with Diazomethane vapor generates heat which 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: N.E.

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					Group 1		Calif. Prop. 65
SENSITIZER		X						

SECTION 6 - HEALTH HAZARD DATA and FIRST AID INFORMATION - continuedROUTES OF ENTRY: Inhalation Skin Ingestion

HEALTH HAZARD (Acute and Chronic): May cause eye irritation. When wet may 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. Portland cement may irritate skin. Inhalation may cause respiratory irritation. Ingestion may cause obstruction due to setting reaction.

CALIFORNIA PROP 65 WARNING: This product contains crystalline silica, a chemical known to the State of California to cause cancer.

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. 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: Follow local, state, federal regulations for inert solids.

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 dust mask to guard against nuisance dust.

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

PROTECTIVE GLOVES: Under normal conditions no protective gloves should be necessary

EYE PROTECTION: Goggles

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eye wash 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: 15 January 2009

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N.A. = NOT APPLICABLE
N.E. = NOT ESTABLISHED

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

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FIRE - 0

TOXICITY - 0

NFPA
REACTIVITY - 0

SPECIAL -