

MS329124LF

**COE FLEX (LEAD FREE) - BASE**  
**MATERIAL SAFETY DATA SHEET**

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**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:** COE FLEX (Lead Free) BASE - REGULAR, INJECTION AND HEAVY TYPE**CHEMICAL NAME:** N.A.**PRODUCT USE:** Dental Impression Material

*The following information is provided with regard to the toxicity and hazards of the pure components present in this portion of the unmixed two-paste system.*

**SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

COMPONENT	C.A.S.	EXPOSURE LIMITS	LD50/LC50	%
Silicon Dioxide	112926-00-8	TWA=10mg/m <sup>3</sup> (respirable) (ACGIH)	N.E.	1-5
Titanium Dioxide	13463-67-7	TWA=10mg/m <sup>3</sup> (respirable) (ACGIH)	N.E.	10-25

**SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES****BOILING POINT:** N.E.**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** 1.3 – 1.6**VAPOR PRESSURE:** N.E.**MELTING POINT:** N.E.**VAPOR DENSITY:** N.E.**EVAPORATION RATE:** N.E.**SOLUBILITY IN WATER:** N.E.**ODOR THRESHOLD:****COEFFICIENT OF OIL/WATER DISTRIBUTION:****APPEARANCE AND ODOR:** White paste with a sulfurous odor**SECTION 4 - FIRE AND EXPLOSION DATA****FLASH POINT:** N.A.**FLAMMABLE LIMITS:** N.A.**EXTINGUISHING MEDIA:** For surrounding fires, dry chemical, carbon dioxide**SPECIAL FIRE FIGHTING PROCEDURES:** N.A.**UNUSUAL FIRE AND EXPLOSION HAZARDS:** N.E.**HAZARDOUS COMBUSTION PRODUCTS:** If heated to high temperatures or on open flame this product may emit formaldehyde, other aldehydes, oxides of sulfur, carbon dioxide, carbon monoxide, hydrogen sulfide, low molecular weight hydrocarbons.**SECTION 5 - REACTIVITY DATA****STABILITY:** Stable ☒Unstable ☐**POLYMERIZATION:** Will Not Occur ☒Will Occur ☐**CONDITIONS TO AVOID:** High heat**INCOMPATIBILITY (Materials to Avoid):** Oxidizing agents, strong 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						
SENSITIZER		X						

ROUTES OF ENTRY: Inhalation ☐ Skin ☒ Ingestion ☒

**HEALTH HAZARD (Acute And Chronic):** Skin irritation can occur following prolonged or repeated contact.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE:** N.E.

**CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** N.E.

**EMERGENCY FIRST AID PROCEDURES:**

**INHALATION:** N.A.

**INGESTION:** Induce vomiting. Call a poison control center, emergency room. Seek medical attention.

**SKIN:** Wash with soap and water.

**EYES:** Thoroughly flush with water.

**SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE**

**IN CASE OF RELEASE OR SPILL:** Scrape up and discard.

**WASTE DISPOSAL METHOD:** In accordance with local, state, and federal regulations.

**STORAGE, HANDLING, AND SPECIAL PRECAUTIONS:** Store in a cool and dry place

**SECTION 8 - CONTROL MEASURES**

**RESPIRATORY PROTECTION:** Reduce exposure in accordance with good hygiene practice. If exposure limits are exceeded, use MSHA-NIOSH approved respirators for dusts, mists, fumes.

**VENTILATION:** Local Exhaust: N.E. Mechanical: N.E. Special: N.E. Other: N.E.

**PROTECTIVE GLOVES:** Disposable vinyl gloves are recommended.

**EYE PROTECTION:** N.A.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** N.A.

**WORK/HYGIENIC PRACTICE:** Avoid contact with clothing, may stain.

**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

N.A. = NOT APPLICABLE

N.E. = NOT ESTABLISHED

*The information herein is given in good faith. No warranty expressed or implied is made.*

FIRE – 1

TOXICITY – 1

NFPA  
REACTIVITY – 1

SPECIAL –

MS329120LF

**COE FLEX (LEAD FREE) - CATALYST**  
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**COMMON NAME:** COE FLEX (Lead Free) CATALYST**CHEMICAL NAME:** N. A.**PRODUCT USE:** Dental Impression Material

*The following information is provided with regard to the toxicity and hazards of the pure components present in this portion of the unmixed two-paste system.*

**SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

COMPONENT	C.A.S.	EXPOSURE LIMITS	LD50/LC50	%
Cupric Hydroxide	20427-59-2	TWA=1mg/m <sup>3</sup> (as dust) (ACGIH)	LD50>1g/kg LC50>2mg/L	10-30
Titanium Dioxide	13463-67-7	TWA=10mg/m <sup>3</sup> (ACGIH)	N.E.	10-35
Silicon Dioxide	112926-00-8	TWA=10mg/m <sup>3</sup> (ACGIH)	N.E.	1-5
Chlorinated Fatty Acid Ester	68440-29-9	N.E.	N.E.	30-50

**SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES****BOILING POINT:** N.E.**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** 1.8**VAPOR PRESSURE:** N.E.**MELTING POINT:** N.E.**VAPOR DENSITY:** N.E.**EVAPORATION RATE:** N.E.**SOLUBILITY IN WATER:** N.E.**ODOR THRESHOLD:** N.E.**COEFFICIENT OF OIL/WATER DISTRIBUTION:** N.E.**APPEARANCE AND ODOR:** Light blue paste**SECTION 4 - FIRE AND EXPLOSION DATA****FLASH POINT:** Non flammable**FLAMMABLE LIMITS:** N.A.**EXTINGUISHING MEDIA:** For surrounding fire use dry chemical, foam, carbon dioxide**SPECIAL FIRE FIGHTING PROCEDURES:** As appropriate for surrounding fire.**UNUSUAL FIRE AND EXPLOSION HAZARDS:** N.E.**HAZARDOUS COMBUSTION PRODUCTS:** Hydrogen chloride gas, carbon dioxide**SECTION 5 - REACTIVITY DATA****STABILITY:** Stable ☒Unstable ☐**POLYMERIZATION:** Will Not Occur ☒Will Occur ☐**CONDITIONS TO AVOID:** High heat**INCOMPATIBILITY (Materials to Avoid):** Strong oxidizing and reducing agents**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Hydrogen chloride, oxides of carbon

**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): Cupric Hydroxide may be corrosive to eye

SIGNS AND SYMPTOMS OF OVEREXPOSURE: N.A.

CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N.A.

**EMERGENCY FIRST AID PROCEDURES:****INGESTION:** Induce vomiting, seek medical attention.**SKIN:** Wash with soap and water.**EYES:** Flush with water for 15 minutes. If irritation develops seek medical attention.**SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE**

IN CASE OF RELEASE OR SPILL: Scrape up and discard.

WASTE DISPOSAL METHOD: In accordance with local, state, federal regulations.

STORAGE, HANDLING, AND SPECIAL PRECAUTIONS: Store in a cool, dry place

**SECTION 8 - CONTROL MEASURES**

RESPIRATORY PROTECTION: Reduce exposure in accordance with good hygiene practice. If exposure limits are exceeded, use MSHA-NIOSH approved respirators for dusts, mists, fumes.

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

PROTECTIVE GLOVES: Disposable vinyl gloves recommended.

EYE PROTECTION: Safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: N.A.

WORK/HYGIENIC PRACTICE: N.A.

**SECTION 9- PREPARATION INFORMATION***This data is supplied to comply with OSHA Hazard Communication Standard 29 CFR1910,1200 and W.H.M.I.S. CPR*

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REVIEWED: 15 January 2009

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FIRE 1

TOXICITY 1

NFPA  
REACTIVITY 1

SPECIAL COR/OXY