

MATERIAL SAFETY DATA SHEET

SECTION 1 - SOURCE/IDENTITY/USE INFORMATION:

MANUFACTURER	SUPPLIER
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-PAK ACCELERATOR
COE-PAK HARD AND FAST ACCELERATOR

Chemical Name: N.A.

PRODUCT USE: Component of periodontal dressings

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 AND C.A.S.	EXPOSURE LIMITS	LD50/LC50	%
Vegetable Oil (Not listed)	TWA=15mg/m ³ (as mist) (ACGIH)	N.E.	7-13%
Zinc Oxide 1314-13-2	TWA=15mg/m ³ (as dust) (ACGIH) TWA=5mg/m ³ (respirable) (ACGIH)	LD50=7.9g/kg (oral rat) LC50=N.E.	30-60%
Mineral Oil (8042-47-5)	TWA=5mg/m ³ (as mist) (ACGIH) STEL=10mg/m ³ (ACGIH)	N.E.	3-7%
Magnesium oxide (1309-48-4)	TWA=10mg/m ³ (total dust) (ACGIH) TWA=5mg/m ³ (respirable) (as dust) (ACGIH)	N.E.	30-60%

SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES:

BOILING POINT:	N.E.	SPECIFIC GRAVITY (H ₂ O = 1):	N.E.
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 pink odorless paste

SECTION 4 - FIRE AND EXPLOSION DATA:

FLASH POINT: N.E. FLAMMABLE LIMITS: N.E.

EXTINGUISHING MEDIA: Dry chemical foam, carbon dioxide

SPECIAL FIRE FIGHTING PROCEDURES: Wear full protective gear including NIOSH approved self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Contains Zinc Oxide, which when heated to very high temperatures sublimes to produce toxic fumes.

HAZARDOUS COMBUSTION PRODUCTS: N.E.

SECTION 5 - REACTIVITY DATA:

STABILITY:	STABLE: X	UNSTABLE:
POLYMERIZATION:	WILL NOT OCCUR: X	WILL OCCUR:

CONDITIONS TO AVOID: High heat

INCOMPATIBILITY (MATERIALS TO AVOID): Zinc oxide has exploded when mixed with chlorinated rubber. Zinc oxide reacts violently with magnesium linseed oil. Zinc oxide and magnesium can react explosively when heated.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: N.E.

SECTION 6 - HEALTH HAZARD DATA and FIRST AID INFORMATION:

	YES	NO	N.E.	N.A.	NTP	IARC	OSHA	OTHER
MUTAGENIC AFFECTS:	X							X
TERATOGENIC AFFECTS:		X						
REPRODUCTIVE TOXIN:	X						X	
CARCINOGENICITY:		X						
SENSITIZER:		X						

ROUTES OF ENTRY: INHALATION X SKIN X INGESTION X

SECTION 6 - HEALTH HAZARD DATA and FIRST AID INFORMATION: - continued

HEALTH HAZARD: (ACUTE AND CHRONIC): Ingestion may cause intestinal obstruction with nausea, fever, and stomach cramps. Inhalation of dust generated from this product may irritate the respiratory tract. Mutation references cited, animal reproductive affects cited.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: N.E.

CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None reported

EMERGENCY FIRST AID PROCEDURES:

INHALATION: Remove to fresh air. For any breathing difficulty, seek medical attention

INGESTION: Give several glasses of water. If large amounts were swallowed, seek medical attention.

SKIN: Wash with soap and water. If irritation develops, seek medical attention.

EYES: Wash with running water. 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: Ensure compliance with local, state and 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: Protective gloves are recommended

EYE PROTECTION: Safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None

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

PREPARED BY: T. Joritz
Director Regulatory Affairs

Date: 1 November 97

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	2	NFPA REACTIVITY	1	SPECIAL	-
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COMMON NAME: COE-PAK BASE
 COE-PAK HARD & FAST SET BASE

Chemical Name: N.A.

PRODUCT USE: Periodontal dressings

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 AND C.A.S.	EXPOSURE LIMITS	LD50/LC50	%
Denatured Alcohol: Ethanol 64-17-5	N.E. TWA=1880mg/m ³ (ACGIH)		1-5%
Methanol 67-56-1	TWA=262mg/m ³ (ACGIH) STEL=328mg/m ³ (ACGIH)	LD50=5628 mg/kg (oral rat) LC50=64000 ppm/4hr.	
Petrolatum 8009-03-8	TWA=5mg/m ³ (ACGIH)	N.E.	5-10%

SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT:	N.E.	SPECIFIC GRAVITY:	N.E.
VAPOR PRESSURE:	N.E.	MELTING POINT:	N.E.
VAPOR DENSITY:	N.E.	EVAPORATION RATE:	N.E.
SOLUBILITY IN WATER:	N.E.	ODOR THRESHOLD:	5ppm as Ethanol

COEFFICIENT OF OIL/WATER DISTRIBUTION: N.E.

APPEARANCE AND ODOR: Amber paste

SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT: N.E. FLAMMABLE LIMITS: N.E.

EXTINGUISHING MEDIA: Dry chemical foam, Carbon dioxide

SPECIAL FIRE FIGHTING PROCEDURES: Wear protective clothing including self contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Contains Denatured Alcohol; vapors are heavier than air and may travel to flame source.

HAZARDOUS COMBUSTION PRODUCTS: Carbon Dioxide, Carbon Monoxide

SECTION 5 - REACTIVITY DATA

STABILITY: STABLE: X UNSTABLE: POLYMERIZATION: WILL NOT OCCUR: X WILL OCCUR:

CONDITIONS TO AVOID: High temperatures

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing materials

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None known

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 X SKIN X INGESTION X

HEALTH HAZARD: (ACUTE AND CHRONIC): Contains denatured alcohol. Prolonged exposure to ethanol may result in irritation of mucous membrane, headache, drowsiness, and fatigue. Methanol is also narcotic and affects are cumulative.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: Overexposure to methanol can result in acidosis and visual disturbances which may lead to permanent loss of vision.

CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N.E.

SECTION 6 - HEALTH HAZARD DATA and FIRST AID INFORMATION - continued

EMERGENCY FIRST AID PROCEDURES:

INHALATION: Remove to fresh air. If breathing is difficult seek medical attention.

EYES: Flush with water for at least 15 minutes. Seek medical attention.

SKIN: Wash with soap and water. Seek medical attention if irritation develops.

INGESTION: Dilute with one or two glasses of water and induce vomiting. Seek medical attention.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

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

WASTE DISPOSAL METHOD: In accordance with state, local, 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: No
SPECIAL: No

MECHANICAL: No
OTHER: No

PROTECTIVE GLOVES: Disposable vinyl gloves are recommended.

EYE PROTECTION: Safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

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

