

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 a.m.-5:00 p.m. C.S.T.

Transportation Emergency No. 800-424-9300

COMMON NAME: COE-COMFORT LIQUID

Chemical Name: N.A.

PRODUCT USE: Dental tissue conditioner - Liquid component

The following information is provided with regard to the toxicity and hazards of the pure components present in this portion of the unmixed powder/liquid system.

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

COMPONENT AND C.A.S.	EXPOSURE LIMITS	LD50/LC50	%
Vegetable Oil (not listed)	TWA=15mg/m ³ (ACGIH) (mist)	N.E.	10-30%
Denatured Alcohol:			5-10%
Methanol 67-56-1	TWA=262mg/m ³ STEL=328mg/m ³ (ACGIH)	LD50=5628 mg/Kg (oral rat) LC50=64000 ppm/4hr	
Ethanol 64-17-5	TWA=1880mg/m ³ (ACGIH)	N.E.	

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: 5 ppm as ethanol
COEFFICIENT OF OIL/WATER DISTRIBUTION: N.E.

APPEARANCE AND ODOR: Clear liquid, sweet odor

SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT: 20°C - Closed cup FLAMMABLE LIMITS: N.E.

EXTINGUISHING MEDIA:

Dry chemical, carbon dioxide, alcohol foam

SPECIAL FIRE FIGHTING PROCEDURES:

Wear self contained breathing apparatus and protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Contains methanol and ethanol. Vapors are heavier than air and may travel to ignition source and flash back.

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: Keep away from heat, sparks and flame

INCOMPATIBILITY (MATERIALS TO AVOID): 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 - May be harmful if inhaled, absorbed through skin. Liquid or vapor may cause eye irritation. Ingestion of denatured alcohol may be fatal or cause blindness if swallowed.

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

Prolonged exposure to excessive concentrations of ethanol may result in irritation of mucous membranes, headache, drowsiness, fatigue and narcosis. Methanol is also narcotic in effect and its effects are cumulative.

Overexposure to methanol can result in acidosis and visual disturbances which may progress to permanent loss of vision.

CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N.E.

SECTION 6 Continued- HEALTH HAZARD DATA and FIRST AID INFORMATION

EMERGENCY FIRST AID PROCEDURES:

INHALATION: Remove to fresh air.

If breathing is difficult seek medical attention.

EYES: Flush eyes with water for at least 15 minutes.

Get 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:

Eliminate ignition sources. Small spills may be collected with absorbent material.

WASTE DISPOSAL METHOD:

Incinerate under safe conditions. Observe all local, state and federal regulations.

STORAGE, HANDLING, AND SPECIAL PRECAUTIONS:

Store in a cool place. Keep away from heat, flame, sparks.

SECTION 8 - CONTROL MEASURES

RESPIRATORY PROTECTION:

Reduce exposure in accordance with safe hygiene practice. If exposure limits are exceeded, use an MSHA-NIOSH approved respirator for organic vapors.

VENTILATION: LOCAL EXHAUST: N.E.

MECHANICAL: N.E.

SPECIAL: N.E.

OTHER: N.E.

PROTECTIVE GLOVES: Disposable Vinyl gloves

EYE PROTECTION: Splash goggles

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGIENIC PRACTICE: Follow routine safe hygiene practice.

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.

		NFPA	
FIRE 4	TOXICITY 3	REACTIVITY 0	SPECIAL -

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COMMON NAME: COE-COMFORT POWDER

Chemical Name: N.A.

PRODUCT USE: Dental tissue conditioner - powder component

The following information is provided with regard to the toxicity and hazards of the pure components present in this portion of the unmixed powder/liquid system.

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

COMPONENT AND C.A.S.	EXPOSURE LIMITS	LD50/LC50	%
Zinc undecylenate 112-38-9	N.E.	LD50=2.5g/Kg (oral rat) LC50=N.E.	1-5%

SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT: N.A.	SPECIFIC GRAVITY (H ₂ O = 1): N.A.
VAPOR PRESSURE: N.A.	MELTING POINT: N.E.
VAPOR DENSITY: N.A.	EVAPORATION RATE: N.E.
SOLUBILITY IN WATER: N.E.	ODOR THRESHOLD: N.A.
COEFFICIENT OF OIL/WATER DISTRIBUTION: N.E.	

APPEARANCE AND ODOR: White odorless powder

SECTION 4 - FIRE AND EXPLOSION DATA

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

EXTINGUISHING MEDIA: Water fog, foam, carbon dioxide, dry chemical

SECTION 4 - FIRE AND EXPLOSION DATA: - continued

SPECIAL FIRE FIGHTING PROCEDURES: Self contained breathing apparatus with full face piece and protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Dust explosion hazard

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, carbon monoxide, methyl methacrylate

SECTION 5 - REACTIVITY DATA

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

CONDITIONS TO AVOID: High heat; strong acids or alkalies

INCOMPATIBILITY (MATERIALS TO AVOID): Strong acids or alkalies

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						
TERATOGENIC AFFECTS:		X						
REPRODUCTIVE TOXIN:		X						
CARCINOGENICITY:		X						
SENSITIZER:		X						

ROUTES OF ENTRY: INHALATION SKIN X INGESTION X

HEALTH HAZARD: (ACUTE AND CHRONIC): Ingestion may cause nausea and vomiting. May cause eye irritation.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: N.E.

CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N.E.

SECTION 6 - HEALTH HAZARD DATA AND FIRST AID INFORMATION: - continued**EMERGENCY FIRST AID PROCEDURES:**

INHALATION: Remove victim to fresh air.

INGESTION: Give one or two glasses of water to drink. If gastrointestinal symptoms develop, seek medical attention.

SKIN: Wash with soap and water.

EYES: Flush with water for 15 minutes. If redness, itching, or a burning sensation develops, seek medical attention.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

IN CASE OF RELEASE OR SPILL: Sweep up and recover or mix material with moist absorbent and shovel into waste container. Wash spill area with hot water and detergent.

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

STORAGE, HANDLING, AND SPECIAL PRECAUTIONS: Store in a cool dry place; keep away from heat or open flame.

SECTION 8 - CONTROL MEASURES

RESPIRATORY PROTECTION: Minimize exposure in accordance with good hygiene practice. Use MSHA-NIOSH approved respirator for dusts, mists and fumes.

VENTILATION:	LOCAL EXHAUST: N.E.	MECHANICAL: N.E.
	SPECIAL: N.E.	OTHER: N.E.

PROTECTIVE GLOVES: Disposable vinyl gloves

EYE PROTECTION: Safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGIENIC PRACTICE: Follow safe hygiene practice.

SECTION 9- PREPARATION INFORMATION

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NFPA

FIRE 0

TOXICITY 1

REACTIVITY 0

SPECIAL OXY
