

MATERIAL SAFETY DATA SHEET

SECTION 1 - SOURCE/IDENTITY/USE INFORMATIONMANUFACTURERSUPPLIER

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: PATTERN RESIN POWDER

Chemical Name: N.A.

PRODUCT USE: Patterns for tooth crowns, bridges, and partial denture framework (wax substitute).

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

<u>COMPONENT AND C.A.S.</u>	<u>EXPOSURE LIMITS</u>	<u>LD50/LC50</u>	<u>%</u>
Benzoyl Peroxide 94-36-0	TWA=5mg/m ³ (ACGIH)	N.E. ~	1%

SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT: N.E. SPECIFIC GRAVITY (H₂O = 1): 1.0
VAPOR PRESSURE: N.E. MELTING POINT: N.E.
VAPOR DENSITY: N.E. EVAPORATION RATE: N.E.
SOLUBILITY IN WATER: Insoluble ODOR THRESHOLD: N.A.
COEFFICIENT OF OIL/WATER DISTRIBUTION: N.E.

APPEARANCE AND ODOR: Pink free flowing powder

SECTION 4 - FIRE AND EXPLOSION DATA

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

EXTINGUISHING MEDIA: Water fog, carbon dioxide, dry chemical

SPECIAL FIRE FIGHTING PROCEDURES: Full protective equipment, including self-contained breathing apparatus.

SECTION 4 - FIRE AND EXPLOSION DATA - continued

UNUSUAL FIRE AND EXPLOSION HAZARDS: Peroxides and decomposition products are flammable and can ignite with explosive force if confined.

HAZARDOUS COMBUSTION PRODUCTS: On decomposition, Benzoyl Peroxide can produce toxic and flammable vapors and Biphenyl (TLV=0.2ppm) Carbon dioxide, Carbon monoxide

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SECTION 5 - REACTIVITY DATA

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

CONDITIONS TO AVOID: Avoid excess heat.

INCOMPATIBILITY (MATERIALS TO AVOID):
Strong acids, bases, oxidizing agents, aromatic tertiary amines.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None known

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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 X SKIN X INGESTION X

HEALTH HAZARD: (ACUTE AND CHRONIC):

INHALATION: May cause irritation of the nose, throat, lungs.

INGESTION: May cause toxic affects.

SKIN: May cause irritation.

EYES: May cause irritation.

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

Prolonged contact with eyes and skin may cause irritation. Inhalation may cause irritation of the nose, throat, and lungs. Ingestion may cause toxic affects.

CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N.A.

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

EMERGENCY FIRST AID PROCEDURES:

INHALATION: Remove victim to fresh air. Seek medical attention.

INGESTION: Do not induce vomiting; give plenty of water.
Seek medical attention.

SKIN: Wash with soap and water; rinse thoroughly.

EYES: Flush with water and seek medical attention.

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SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

IN CASE OF RELEASE OR SPILL:

Sweep up powder. Wash area with detergent and water.

WASTE DISPOSAL METHOD:

Dispose of in compliance with local, state and federal regulations.

STORAGE, HANDLING, AND SPECIAL PRECAUTIONS:

Store in a cool, dry place. Keep away from heat, open flames.

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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: As needed MECHANICAL: N.A.
 SPECIAL: N.A. OTHER: N.A.

PROTECTIVE GLOVES: Should not be necessary in powder form. When mixing with liquid component use disposable vinyl gloves.

EYE PROTECTION: Dust goggles

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGIENIC PRACTICE: Follow routine safe hygiene practices.

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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: 03 January 2000

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	TOXICITY	REACTIVITY	SPECIAL OXY
0	1	1	