

**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:** PATTERN RESIN - POWDER  
PATTERN RESIN LS - 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**

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

**SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES**

<b>BOILING POINT:</b>	N.E.	<b>SPECIFIC GRAVITY (H<sub>2</sub>O = 1):</b>	1.0
<b>VAPOR PRESSURE:</b>	N.E.	<b>MELTING POINT:</b>	N.E.
<b>VAPOR DENSITY:</b>	N.E.	<b>EVAPORATION RATE:</b>	N.E.
<b>SOLUBILITY IN WATER:</b>	Insoluble	<b>ODOR THRESHOLD:</b>	N.A.
<b>COEFFICIENT OF OIL/WATER DISTRIBUTION:</b>	N.E.	<b>APPEARANCE AND ODOR:</b>	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.  
**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

**SECTION 5 - REACTIVITY DATA**

**STABILITY:** Stable  Unstable   
**POLYMERIZATION:** Will Not Occur  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

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

	YES	NO	NE	NA	NTP	IARC	OSHA	OTHER
<b>MUTAGENIC AFFECTS</b>		X						
<b>TERATOGENIC AFFECTS</b>		X						
<b>REPRODUCTIVE TOXIN</b>		X						
<b>CARCINOGENICITY</b>		X						
<b>SENSITIZER</b>		X						

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

ROUTES OF ENTRY:    Inhalation                       Skin                       Ingestion

**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.

**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.

**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.

**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.

**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:** 21 February 2012

**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 – 1**

**NFPA  
REACTIVITY – 1**

**SPECIAL– OXY**