

## MATERIAL SAFETY DATA SHEET

## 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: GC RELINE - POWDER

Chemical Name: N.A.

PRODUCT USE: Hard denture lining material - Powder

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	%
Polyethyl Methacrylate N.E.	TLV-TWA (8 hours) N.E. 10mg/m3 (ACGIH)		90-100%
Benzoyl Peroxide 94-36-0	TWA: 5mg/m3 (OSHA/ACGIH)	LD50: 70 10mg/kg (oral rat)	<1%
Silicone Dioxide 112926-00-8	PEL 6mg/m3 TLV 10mg/m3	LD50: >10000mg/kg (oral rat)	1%

## SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES:

BOILING POINT: N.E.	SPECIFIC GRAVITY (H <sub>2</sub> 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: White powder

## SECTION 4 - FIRE AND EXPLOSION DATA:

FLASH POINT: N.A.

FLAMMABLE LIMITS: N.E.

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

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

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known

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): None known

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon dioxide, carbon monoxide, methyl methacrylate

## 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

HEALTH HAZARD: (ACUTE AND CHRONIC): Can cause moderate irritation to eyes and skin. May cause skin sensitization.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: High concentrations irritant to respiratory tract and may lead to dizziness, headache and anesthetic effects.

CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N.A.

## SECTION 6 - CONTINUED - HEALTH HAZARD DATA and FIRST AID INFORMATION:

## EMERGENCY FIRST AID PROCEDURES:

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

INGESTION: If swallowed, do not induce vomiting. Immediately give 2 glasses of water. Call a physician.

SKIN: In case of contact, immediately flush skin with plenty of water for at least 15 minutes. If irritation persists call a physician.

EYES: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists call a physician.

## SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE:

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

WASTE DISPOSAL METHOD: In accordance with Federal, State and local regulations.

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

## SECTION 8 - CONTROL MEASURES:

## RESPIRATORY PROTECTION:

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

PROTECTIVE GLOVES: If necessary, use protective gloves to reduce irritation.

EYE PROTECTION: Safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eye wash station

WORK/HYGIENIC PRACTICE: Observe good hygienic 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

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. No warranty expressed or implied is made.

**NFPA**

FIRE 1      TOXICITY 1      REACTIVITY 1      SPECIAL --