



**MATERIAL SAFETY DATA SHEET****SECTION 1 - SOURCE/IDENTITY/USE INFORMATION****MANUFACTURER**

GC AMERICA INC.

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**COMMON NAME:** FIT CHECKER - WHITE; FIT CHECKER - BLACK**CHEMICAL NAME:** N.A.**PRODUCT USE:** Measure fit of dental restorations

*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	C.A.S.	EXPOSURE LIMITS	LD50/LC50	%
Polydimethyl siloxane	(not listed)	N.E.	LD50=5mg/m <sup>3</sup> (oral rat)	70
Silicon dioxide	112926-00-8	PEL=0.1mg/m <sup>3</sup> TLV/TWA=10mg/m <sup>3</sup> (as dust) (ACGIH)	N.E.	20
Titanium dioxide	13463-67-7	TWA=10mg/m <sup>3</sup> (as dust) (ACGIH)	N.E.	10

**SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES****BOILING POINT:** 160°C**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** 1.20**VAPOR PRESSURE:** N.E.**MELTING POINT:** N.E.**VAPOR DENSITY:** N.E.**EVAPORATION RATE:** N.E.**SOLUBILITY IN WATER:** Insoluble**ODOR THRESHOLD:** N.E.**COEFFICIENT OF OIL/WATER DISTRIBUTION:** N.E. **APPEARANCE AND ODOR:** White, odorless paste**SECTION 4 - FIRE AND EXPLOSION DATA****FLASH POINT:** 252°C (Closed cup)**FLAMMABLE LIMITS:** N.E.**EXTINGUISHING MEDIA:** Dry Chemical, Carbon Dioxide, Alcohol Foam**SPECIAL FIRE FIGHTING PROCEDURES:** Water is not effective medium. Firefighters should wear self-contained breathing apparatus and full protective clothing.**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Irritating and/or toxic aerosols or gases may be present.**HAZARDOUS COMBUSTION PRODUCTS:** Carbon Dioxide, Carbon Monoxide, Sulfur Dioxide, Hydrogen Sulfide**SECTION 5 - REACTIVITY DATA****STABILITY:**

Stable

Unstable

**POLYMERIZATION:**

Will Not Occur

Will Occur

**CONDITIONS TO AVOID:** High temperatures (> 121°C); open flames.**INCOMPATIBILITY (Materials to Avoid):** Strong acids, bases, oxidizers.**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** N.E.

**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 (as silica dust)					X		
SENSITIZER		X						

ROUTES OF ENTRY: Inhalation Skin Ingestion

HEALTH HAZARD (Acute and Chronic): Breathing vapor generated from this product may be irritating to the eyes, nose and throat.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: Headaches

CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N.E.

**EMERGENCY FIRST AID PROCEDURES:**

**INHALATION:** Remove to fresh air if irritation develops

**EYES:** Flush with large volumes of water, consult a physician if irritation develops.

**SKIN:** Wash thoroughly with soap and water

**INGESTION:** Do not induce vomiting. Dilute by drinking several glasses of water. Seek medical attention.

**SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE**

IN CASE OF RELEASE OR SPILL: Absorb with inert material; transfer to container for disposal

WASTE DISPOSAL METHOD: Land fill per local and Federal Regulations

STORAGE, HANDLING, AND SPECIAL PRECAUTIONS: Store at normal room temperature in a well ventilated area

**SECTION 8 - CONTROL MEASURES**

RESPIRATORY PROTECTION: N.A.

VENTILATION: Local Exhaust: Recommended Mechanical: N.E. Special: N.E. Other: N.E.

PROTECTIVE GLOVES: Synthetic/Vinyl Gloves

EYE PROTECTION: Safety glasses or goggles

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: N.E.

WORK/HYGIENIC PRACTICE: N.E.

**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 DATE: 09 January 2006  
 Director Regulatory Affairs

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 - 1      TOXICITY - 1      REACTIVITY - 1      SPECIAL -

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