

**GRADIA DIRECT - ANTERIORS**  
**MATERIAL SAFETY DATA SHEET****SECTION 1 - SOURCE/IDENTITY/USE INFORMATION****DISTRIBUTOR**

GC AMERICA INC.

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Hours: Mon.- Fri. 8:00 am. - 5:00 pm. C.S.T.

Transportation Emergency No. 800-424-9300

**COMMON NAME:** GRADIA DIRECT - Anteriors**CHEMICAL NAME:** N.A.**PRODUCT USE:** Light-cured composite restorative*The following information is provided with regard to the toxicity and hazards the pure components present in this product.***SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

Component	C.A.S.	Exposure Limits	LD50/LC50	%
Urethane dimethacrylate	72869-86-4	N.E.	N.E.	20-30%
Silica powder	112926-00-8	PEL=0.2mg/m <sup>3</sup> TLV/TWA=0.1mg/m <sup>3</sup> (dust) (ACGIH)	LD50=>10000mg/kg (oral ratio) LC50=N.E.	20-30%
Organic filler	Not Listed	N.E.	N.E.	30-35%

**SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES****BOILING POINT:** N.E.**VAPOR PRESSURE:** N.E.**VAPOR DENSITY:** N.E.**SOLUBILITY IN WATER:** Miscible**COEFFICIENT OF OIL/WATER DISTRIBUTION:** N.E.**SPECIFIC GRAVITY:** N.E.**MELTING POINT:** N.E.**EVAPORATION RATE:** N.E.**ODOR THRESHOLD:** N.E.**APPEARANCE AND ODOR:** Odorless paste in various shades**SECTION 4 - FIRE AND EXPLOSION DATA****FLASH POINT:** Not Flammable (>150°C)**FLAMMABLE LIMITS:** N.A.**EXTINGUISHING MEDIA:** Chemical foam, carbon dioxide and dry chemical**SPECIAL FIRE FIGHTING PROCEDURES:** N.A.**UNUSUAL FIRE AND EXPLOSION HAZARDS:** N.A.**HAZARDOUS COMBUSTION PRODUCTS:** N.A.**SECTION 5 - REACTIVITY DATA****STABILITY:** Stable ☒Unstable ☐**POLYMERIZATION:** Will Not Occur ☒Will Occur ☐**CONDITIONS TO AVOID:** Avoid extreme heat and humidity.**INCOMPATIBILITY (Materials To Avoid):** None**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** None**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 ☐Skin ☒Ingestion ☒



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**HEALTH HAZARD (Acute And Chronic):** May cause irritation or sensitization to eyes, digestive tract and skin. Possible allergic skin reactions among some individuals.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE:** N.E.

**CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** N.E.

**EMERGENCY FIRST AID PROCEDURES:**

**EYE CONTACT:** Flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Seek medical attention.

**SKIN CONTACT:** Flush skin with plenty of soap and water for at least 15 minutes. Seek medical attention if irritation persists.

**INGESTION:** Do not induce vomiting. Seek medical attention.

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

**IN CASE OF RELEASE OR SPILL:** Transfer to chemical waste container for disposal.

**WASTE DISPOSAL METHOD:** Dispose of in accordance with local, state and federal regulations.

**STORAGE, HANDLING, AND SPECIAL PRECAUTIONS:** Store at room temperature away from heat and high humidity. Keep container closed when not in use.

**SECTION 8 - CONTROL MEASURES**

**RESPIRATORY PROTECTION:** N.A.

**VENTILATION:**

Local Exhaust ☐  
Special: ☐

Mechanical: ☐  
Other: ☐

**PROTECTIVE GLOVES:** Disposable vinyl gloves are recommended.

**EYE PROTECTION:** Safety goggles recommended.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Eye wash station.

**WORK/HYGIENIC PRACTICE:** Observe good hygienic work 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:** 06 February 2003

**N.A. = NOT APPLICABLE**

**N.E. = NOT ESTABLISHED**

*The information herein is given in good faith but no warranty expressed or implied is made.*

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NFPA

FIRE 0

TOXICITY 1

REACTIVITY 1

SPECIAL -

