

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

GC AMERICA INC.

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Transportation Emergency No. 800-424-9300

COMMON NAME: GRADIA DIRECT - Posteriors**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%
Fluoro Alumino-silicate glass	Not listed	TLV=10mg/m ³ PEL=15mg/m ³ (ACGIH)	N.E.	20-30%
Silica powder	112926-00-8	PEL=0.1mg/m ³ TLV/TWA=0.1mg/m ³ (dust) (ACGIH)	LD50=>10000mg/kg (oral ratio) LC50=N.E.	10-20%
Organic filler	Not listed	N.E.	N.E.	10-20%

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:** 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.E.**HAZARDOUS COMBUSTION PRODUCTS:** N.A.**SECTION 5 - REACTIVITY DATA****STABILITY:** Stable ☒Unstable ☐**POLYMERIZATION:** Will Not Occur ☒Will Occur ☐**CONDITIONS TO AVOID:** Avoid high 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					GROUP 2A		
SENSITIZER		X						



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HEALTH HAZARD (Acute And Chronic): This paste-form product is manufactured using silica glass, which is considered a hazard by inhalation. IARC has classified it as a probable carcinogenic for humans. Dusts of silica glass is also a known cause of silicosis, a non-cancerous lung disease.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: May cause irritation to eyes, skin and digestive tract.

CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

EMERGENCY FIRST AID PROCEDURES:

INHALATION: If irritation develops seek medical attention.

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: Do not allow product to reach sewer system. Dispose of waste 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: 07 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.

NFPA

FIRE 0

TOXICITY 1

REACTIVITY 1

SPECIAL -

