GRADIA DIRECT - POSTERIORS
MATERIAL SAFETY DATA SHEET

SECTION 1 - SOURCE/IDENTITY/USE INFORMATION

DISTRIBUTOR
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 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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ROUTES OF ENTRY: Inhalation ☒ Skin ☒ Ingestion ☒

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. Seed 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 -