

G-AENIAL BOND
MATERIAL SAFETY DATA SHEET**SECTION 1 - SOURCE/IDENTITY/USE INFORMATION****DISTRIBUTOR**

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COMMON NAME: G-AENIAL BOND**CHEMICAL NAME:** N.A.**PRODUCT USE:** Light-cure bonding agent.

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	%
Acetone	67-64-1	TWA=750ppm (OSHA, ACGIH) STEL=1000ppm (OSHA, ACGIH)	N.E.	35-40
Distilled water	7732-18-5	N.E.	N.E.	15-20
Dimethacrylate	N.E.	N.E.	N.E.	15-20
4-Methacryloxyethyltrimellitate anhydride	70293-55-9	N.E.	N.E.	5-10
Phosphoric acid Ester Monomer		N.E.	N.E.	5-10
Silicon dioxide	68611-44-9	N.E.	N.E.	1-5
Photo initiator		N.E.	N.E.	<0.1

SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT: 55°C
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: light yellow liquid; slight ester-like odor

SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT: 3°F
FLAMMABLE LIMITS: LEL 2.5, UEL 13
EXTINGUISHING MEDIA: Chemical foam, carbon dioxide and dry chemical.
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus in case of fire.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Product is not explosive; however, formation of explosive air/vapor mixtures is possible.
HAZARDOUS COMBUSTION PRODUCTS: Formation of toxic gases is possible in case of fire.

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:** No dangerous decomposition products known.

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

HEALTH HAZARD (Acute and Chronic): Irritant to skin, mucous membranes, eyes, and respiratory tract.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: N.E.

CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N.E.

EMERGENCY FIRST AID PROCEDURES:**INHALATION:** Supply fresh air. Seek medical attention if irritation develops.**EYE CONTACT:** Flush eyes with plenty of water for at least 15 minutes. If symptoms persist, seek medical attention.**SKIN CONTACT:** Immediately wash with soap and water and rinse thoroughly. Seek medical attention if irritation develops.**INGESTION:** If irritation develops, seek medical attention.**SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE****IN CASE OF RELEASE OR SPILL:** Absorb with inert material and place in a chemical waste container.**WASTE DISPOSAL METHOD:** Dispose of in accordance with local, state and federal guidelines.**STORAGE, HANDLING, AND SPECIAL PRECAUTIONS:** Store in cool, dry conditions in well sealed containers.**SECTION 8 - CONTROL MEASURES****RESPIRATORY PROTECTION:** In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.VENTILATION: Local Exhaust Mechanical: Special: Other: **PROTECTIVE GLOVES:** Recommended.**EYE PROTECTION:** Tightly sealed goggles recommended.**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** N.A.**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.*DATE: 24 September 2010

N.A. = NOT APPLICABLE

N.E. = NOT ESTABLISHED

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

FIRE – 3

TOXICITY – 2

NFPA

REACTIVITY – 1

SPECIAL –