

UNIFIL BOND SELF-ETCHING PRIMER
MATERIAL SAFETY DATA SHEET**SECTION 1 - SOURCE/IDENTITY/USE INFORMATION****DISTRIBUTOR**

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COMMON NAME: UNIFIL BOND SELF-ETCHING PRIMER**CHEMICAL NAME:** N.A.**PRODUCT USE:** Primer to be used with UniFil Bond

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	%
Ethanol	64-17-5	PEL = 1000 ppm (OSHA) TWA = 1900 mg/m ³ (ACGIH)	LD50 = 7060 mg/kg (oral rat) LD50 = 6300 mg/kg (oral rabbit) LC50 = 20000 ppm/10H (inhalation rat) LC50 = 30 mg/m ³ /4H (inhalation mouse)	40-50
2-Hydroxyethyl methacrylate	868-77-9	N.E. (oral rat)	LD50 = 5050 mg/kg LD50 = 3275 mg/kg (oral mouse)	0-10
4-Methacryloxyethyltrimellitate anhydride	70293-55-9	N.E.	N.E.	5-15

SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT: 4-83°C
VAPOR PRESSURE: 4mm Hg 20°C
VAPOR DENSITY (AIR=1): >1
SOLUBILITY IN WATER: Soluble
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: Clear colorless liquid, aromatic odor

SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT: 13°C CC
FLAMMABLE LIMITS: LEL=2.1 UEL=36.2
EXTINGUISHING MEDIA: Dry chemical, alcohol-resistant foam and carbon dioxide.
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus with full protective equipment.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Flammable liquid and can release vapors that form explosive mixtures at temperatures above the flash point.
HAZARDOUS COMBUSTION PRODUCTS: Strong oxidizers.

SECTION 5 - REACTIVITY DATA

STABILITY: Stable Unstable
POLYMERIZATION: Will Not Occur Will Occur
CONDITIONS TO AVOID: High temperature, incompatible materials, ignition sources, excess heat, oxidizers.
INCOMPATIBILITY (Materials To Avoid): Polymerization catalysts (peroxides, persulfates) light, heat, nitric acid and other strong oxidizers.
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon dioxide and carbon monoxide may form when heated or decomposition.

SECTION 6 - HEALTH HAZARD DATA & 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): May cause digestive tract irritation. Maybe absorbed through skin. Causes eye irritation. Vapor harmful.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: Excessive exposure may produce a headache, irritates eyes and tearing.

CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Persons with pre-existing skin disorders or eye problems, or impaired liver, kidney or respiratory function may be more susceptible to the effects of the substance.

EMERGENCY FIRST AID PROCEDURES:

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention.

SKIN: Wash completely with plenty of soap and water. If irritation persists, seek medical attention.

INGESTION: Induce vomiting immediately as directed by medical personnel. Seek medical attention.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

IN CASE OF RELEASE OR SPILL: Eliminate source of ignition. Absorb with inert materials (dry sand, earth, etc) and transfer to container for disposal.

WASTE DISPOSAL METHOD: Material is a hazardous waste. Dispose of waste in facility permitted for hazardous waste in accordance with local, state and federal regulations.

STORAGE, HANDLING, AND SPECIAL PRECAUTIONS: Store at room temperature. Keep away from heat, sparks, flame, direct sunlight and elevated temperatures.

SECTION 8 - CONTROL MEASURES

RESPIRATORY PROTECTION: Reduce exposure in accordance with safety hygiene practice. If needed, use an approved respirator for organic vapors.

VENTILATION: **Local Exhaust:** X **Mechanical:** N.E. **Special:** N.E. **Other:** None

PROTECTIVE GLOVES: Disposable gloves are recommended.

EYE PROTECTION: Goggles or full face shield are recommended.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eye-wash station.

WORK/HYGIENIC PRACTICE: Follow routine safe hygiene 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: 09 January 2006

REVIEWED: 25 February 2009

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 - 4**TOXICITY - 2****NFPA
REACTIVITY - 1****SPECIAL -**