

**EMS CATALOG NO: 17996**  
**EMS PRODUCT: UV Mounting Medium**  
**DATE: 03/25/2009**  
**PAGE NUMBER: One of 4**

**MATERIAL SAFETY DATA SHEET**

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.

Electron Microscopy Sciences assumes no responsibility for personal injury or property damage to vendees, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of the material.

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FOR PRODUCT AND SALES INFORMATION

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CONTACT ELECTRON MICROSCOPY SCIENCES OFFICE ABOVE.

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PRODUCT IDENTIFICATION

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PRODUCT NAME: UV Mounting Medium

COMPONENTS:

	CAS	%	ppm	mg/m3	ppm	mg/m3
Hydroxyethyl Methacrylate	868-77-9	80-85	NE	NE	NE	NE
Butoxyethanol	111-76-2	15-20	25	120	(skin)	
Benzoin ethyl ether	574-09-4	(5	NE	NE	NE	NE

THRESHOLD LIMIT VALUES: OSHA-TWA OSHA-STEL

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## PHYSICAL DATA

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BOILING POINT(F): NE  
% VOLATILE BY VOLUME: >95  
VAPOR PRESSURE: NE  
EVAPORATION RATE:  
(Butyl Acetate=1) NE  
VAPOR DENSITY:  
(Air = 1) >1  
SPECIFIC GRAVITY: ~ 0.9  
SOLUBILITY IN WATER: Insoluble  
MELTING POINT(C): NE  
APPEARANCE AND ODOR: Clear liquid, ester type odor

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## EXPLOSION AND FIRE HAZARD DATA

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FLASH POINT: N/D  
TEST MODE: N/D  
FLAMMABLE LIMITS: LEL: N/D UEL: N/D

EXTINGUISHING MEDIA: Water, carbon dioxide, dry chemical powder, foam

### SPECIAL FIRE FIGHTING PROCEDURES:

Fire fighters must wear self-contained breathing apparatus and fully protective equipment.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Material is a moderate fire hazard.

PSI HAZARD CODE: EHOV7g

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## HEALTH HAZARD

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THRESHOLD LIMIT VALUE: OSHA-TWA OSHA-STEL TSCA RTECS  
ppm mg/m<sup>3</sup> ppm mg/m<sup>3</sup> 3 Invent.

Benzoin ethylether UNK UNK LISTED 86 UBL

Hydroxyethyl methacrylate UNK UNK " " OZ472500

TXDS: ipr-mus LD50: 528mg/m<sup>3</sup>

Butoxyethanol: 25 120 UNK UNK " " KJ857500

TXDS: inh-rat LCLo: 2400 ppm/5H

**EFFECTS OF OVEREXPOSURE:**

To the best of our knowledge the chemical, physical and toxicological properties of the material are not fully established. Handle the product with care since the components are known to be toxic and irritants.

**EMERGENCY AND FIRST AID PROCEDURES:**

**SKIN CONTACT:** Wash the affected area with copious amounts of water.

**EYE CONTACT:** Flush eyes with water for at least 15 minutes.

**INHALATION:** Remove to fresh air; give oxygen or artificial respiration, as needed.

**INGESTION:**

Drink water to dilute ingested materials, and induce vomiting. If the victim is unconscious, do not induce vomiting, or give anything by mouth. Immediately seek medical assistance. Seek medical treatment if discomfort persists.

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**REACTIVITY DATA**

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**STABILITY:** Unstable, material will self-react.

**CONDITIONS TO AVOID:** Exposure to heat and UV light.

**INCOMPATIBILITY:** NE

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide; carbon dioxide

**HAZARDOUS POLYMERIZATION:** May occur.

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**SPILL OR LEAK PROCEDURES**

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**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Absorb spill on sand or vermiculite. Scoop up, and hold for disposal. Wear a self-contained breathing apparatus, rubber boots and rubber gloves.

WASTE DISPOSAL METHOD:

Mix waste with a combustible carrier and burn in a suitably equipped chemical incinerator.

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SPECIAL PROTECTION INFORMATION

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RESPIRATORY PROTECTION: OSHA/MHSA approved respirator

VENTILATION: Fume hood

EYE PROTECTION: Safety goggles

PROTECTIVE GLOVES: Rubber

OTHER PROTECTIVE EQUIPMENT: Safety shower and eye bath.

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SPECIAL PRECAUTIONS

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Store material at room temperatures. Keep storage container tightly closed. Avoid frequent or prolonged contact. Wash thoroughly after handling.