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# Material Safety Data Sheet

## Photobond 4442

www.cyberbond1.com  
 "The Power of Adhesive Information"™

### 1- Chemical Product and Company Identification:

Product Name: **Photobond 4442**  
 Product Type: Ultraviolet Light Curing Adhesive  
 Date revised: 02/07/09

### 2- Composition/Information on Ingredients:

<u>Hazardous Component</u>	<u>CAS Number</u>	<u>%</u>
Isobornyl acrylate	5888-33-5	25-75
Acrylate Oligomer	Trade Secret	35-40
Photoinitiator	Trade Secret	1-3

<u>Exposure Limits (TWA)</u>	<u>ACGIH (TLV)</u>	<u>OSHA (PEL)</u>	<u>OTHER</u>
None			

<u>Exposure Limits (STEL)</u>
None

### 3- Hazards Identification:

Toxicity: Moderately toxic by ingestion.  
 Eye, skin, and inhalation irritant.

Primary routes of Entry: Skin, inhalation, and eye contact

Signs of exposure: Irritation of eyes, skin, or respiratory tract.

Carcinogenic Ingredients:

NTP	None
IARC	None
OSHA	None

### 4- First Aid Measures:

Ingestion: Do not induce vomiting. Keep individual calm. Seek medical attention.

Inhalation: Remove to fresh air. If symptoms persist, obtain medical attention.

Skin contact: Wash with soap and water.

Eye contact: Flush with warm water. Seek medical attention.

### 5- Fire Fighting Measures:

Flash Point: 150-200F, Tag Closed Cup

Extinguishing Media: Foam, Dry Chemical or Carbon Dioxide

Unusual Fire or Explosion Hazards: None.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus.

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### **6-Accidental Release Measures**

Steps to be taken in case of spill or leak: Eliminate sources of ignition. Maintain adequate ventilation.

Soak up with inert absorbent. Store in a closed container until disposal.

### **7- Handling and Storage:**

Safe storage: Store away from heat and direct sunlight to maximize shelf life. Store inside in a dry location between 50°F and 90°F.  
Handling: Keep container tightly closed. Avoid contact with skin. Avoid breathing vapors.

### **8- Protective Equipment:**

Ventilation: Local exhaust ventilation recommended to maintain vapor level below TLV.  
Respiratory protection: Not applicable with good local exhaust.  
Skin: Neoprene or non-reactive gloves. Do not use cotton or wool.  
Eye protection: Safety glasses or goggles with side shields.

### **9- Physical and Chemical Properties:**

Appearance: Clear liquid  
Odor: Mild  
Boiling Point: Greater than 250°C  
Vapor Pressure: Less than .2mmHg @20C  
Vapor Density: More than 1 (Air =1)  
Evaporation rate: Not applicable  
Specific Gravity: 1.1  
Solubility in water: Negligible.  
Auto Igniting Product is not self-igniting

### **10- Stability and Reactivity**

Stability: Stable  
Hazardous Polymerization: Will not occur  
Incompatibility: Photoreactive. Reacts with amines, acids, alkalis, and oxidizing agents.

### **11- Toxicological Information**

Acute Toxicity: None  
Primary Irritant affect: Irritant to skin, eye, and mucous membranes.  
Sensitization: No sensitizing effects known.

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### 12-Ecological Information

General Notes: Class 2 water hazard (self-assessment). Do not allow product to reach ground water or sewage system.

### 13- Disposal Considerations:

Spill or accidental release: Soak up with an inert absorbent.  
Disposal procedures: Incinerate or dispose of in an approved landfill in accordance with local and EPA regulations. Not a RCRA hazardous waste.

### 14- Transportation Information:

#### Domestic Ground Transport:

Proper shipping name: Unrestricted  
Hazard class or division: None  
Identification number: None  
Marine pollutant: No

#### International Air Transportation (ICAO/IATA):

Proper shipping name: Unrestricted  
Hazard class or division: None  
Identification number: None  
Packing Group: None

#### Water transportation (IMO/IMDG):

Proper shipping name: Unrestricted  
Hazard Class or Division: None  
Identification number: None  
Packing Group: None  
Marine pollutant: None

### 15- Regulatory Information

CA Proposition 65: No information

### 16- Other Information:

Hazard	NFPA Hazard Code®	HMIS Hazard Code®
Health	2	2
Fire	1	1
Reactivity	0	0
Specific Hazard	N/A	B

NFPA is a registered trademark of the National Fire Protection Association.

HMIS is a registered trademark of the National Paint and Coatings Association.

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