

**1. PRODUCT AND COMPANY IDENTIFICATION**

<b>Product Name:</b> Ultrabond <sup>®</sup> 740	<b>Product Type:</b> UV Adhesive
<b>Company :</b> Hernon Manufacturing, Inc. 121 Tech Drive Sanford, FL 32771	<b>Contact Information:</b> Telephone: 407-322-4000 Emergency Telephone: 800-255-3924 Web Site: www.hernonmfg.com

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

<u>Ingredients</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Polyurethane Acrylate Resin	60-100	None	None	None
Heterocyclic Methacrylate	10-20	None	None	None
Hydroxyalkyl Methacrylate	5-10	None	None	None
Acrylic Acid	5-10	2ppm TWA (skin)	10 ppm TWA 30 mg/m <sup>3</sup>	1 ppm TWA (skin) 3ppm STEL (skin)
High Boiling Methacrylate	1-5	None	None	None
Photoinitiator	1-5	None	None	None

**3. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

Physical state: Liquid  
 Color: Clear  
 Odor: Sharp

**HMIS:**  
 HEALTH: 2  
 FLAMMABILITY: 1  
 PHYSICAL HAZARD: 1  
 Personal Protection: See Section 8

**WARNING:** CAUSES EYE, AND SKIN IRRITATION.  
 MAY CAUSE ALLERGIC SKIN REACTION.  
 MAY CAUSE RESPIRATORY TRACT IRRITATION.  
 MAY BE HARMFUL IF SWALLOWED

**Primary Routes of Entry:** Skin, Inhalation, Eyes

**Signs and Symptoms of Exposure:**

<b>Inhalation:</b>	May cause irritation to nose and throat.
<b>Eye Contact:</b>	Vapors may irritate eyes. Contact with eyes will cause irritation.
<b>Skin Contact:</b>	Irritating to skin. May cause allergic skin reaction.
<b>Ingestion:</b>	May be harmful if swallowed. May cause gastrointestinal tract irritation if swallowed.

**Existing Conditions Aggravated by Exposure:** Skin disorders. Eye disorders. Acrylic acid: Respiratory disorders. Lung disease.

**4. FIRST AID MEASURES**

**Ingestion:** Do not induce vomiting. Keep individual calm. Obtain medical attention.  
**Inhalation:** Remove to fresh air. If symptoms persist, obtain medical attention.  
**Skin Contact:** Wash with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if symptoms occur.  
**Eye Contact:** Flush at least 15 minutes with water. Obtain medical attention.

**5. FIRE FIGHTING MEASURES**

**Flash Point (TCC):** >200°F  
**Recommended Extinguishing Agents:** Carbon dioxide, foam, dry chemical  
**Special Firefighting Procedures:** Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.  
**Hazardous Combustion Products:** Irritating organic vapors  
**Unusual Fire or Explosion Hazards:** None  
**Flammable/Explosive Limits – lower %:** 2.0% Acrylic Acid  
**Flammable/Explosive Limits – upper %:** 8.0% Acrylic Acid

**6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Wear proper protective equipment  
**Measures for Environmental Protection:** Do not allow entry into drains or surface waters  
**Clean-up Measures:** Soak up with an inert absorbent. Store in partly filled, closed container until disposal.

**7. HANDLING AND STORAGE**

**Handling:** Avoid prolonged skin contact. Keep away from eyes. Avoid prolonged breathing of vapors.  
**Storage:** Store below 110°F to preserve shelf life.

**8. EXPOSURE CONTROLS, PERSONAL PROTECTION**

**Eye/Face Protection:** Safety glasses or goggles with side shields  
**Skin Protection:** Rubber or plastic gloves and protective clothing as necessary  
**Respiratory Protection:** Use NIOSH approved respirator if there is a potential to exceed exposure limits  
**Engineering Controls:** Forced ventilation may be required if concentrations exceed exposure limits

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State:</b>	Liquid
<b>Color:</b>	Clear
<b>Odor:</b>	Sharp, irritating
<b>Vapor Pressure:</b>	< 10 mm Hg at 80°C
<b>Vapor Density:</b>	Not available
<b>Solubility in Water:</b>	Low
<b>Specific Gravity:</b>	1.02
<b>Boiling Point:</b>	More than 300°F
<b>Volatile Organic Compound Content</b>	1.2%; 12.3 grams/liter
<b>Evaporation Rate (Ether = 1)</b>	Not available
<b>pH:</b>	NA

**10. STABILITY AND REACTIVITY**

<b>Stability:</b>	Stable
<b>Hazardous Polymerization:</b>	Will not occur
<b>Hazardous Decomposition Products:</b>	Oxides of carbon. Irritating organic vapors.
<b>Incompatibility:</b>	Strong oxidizers.

**11. TOXICOLOGICAL INFORMATION**

<b>Toxicity:</b>	Estimated oral LD50 more than 5000 mg/kg. Estimated dermal LD50 more than 2000 mg/kg					
	Literature Referenced Target Organ and Other Health Effects					Carcinogen Status
<b>Ingredients:</b>						NTP IARC OSHA
<b>Polyurethane Acrylate Resin</b>	No data					NO NO NO
<b>Heterocyclic Methacrylate</b>	IRR					NO NO NO
<b>Hydroxyalkyl Methacrylate</b>	ALG	IRR				NO NO NO
<b>Acrylic Acid</b>	COR	ALG	IRR	KID	LIV	NO NO NO
<b>High Boiling Methacrylate</b>	ALG	IRR				NO NO NO
<b>Photoinitiator</b>	No data					NO NO NO

**Abbreviations:**

**ALG** Allergen    **COR** Corrosive    **IRR** Irritant    **KID** Kidney    **LIV** Liver

**12. ECOLOGICAL INFORMATION**

**Water Hazard:** Do not allow entry into drains or surface waters

**13. DISPOSAL CONSIDERATIONS**

**Recommended methods of disposal:** Dispose of according to Federal, State and Local regulations.  
**EPA Hazardous Waste Number:** Not an RCRA hazardous waste

**14. TRANSPORTATION INFORMATION**

**U.S. Dept. of Transportation Ground (49 CFR):**

**Proper Shipping Name** Unrestricted  
**Hazard Class or Division:** None  
**Identification Number** None  
**Packing group:** None

**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**

**TSCA 8 (b) Inventory Status:** All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory  
**CERCLA/SARA 313:** This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372): Acrylic Acid

**16. OTHER INFORMATION**

**Prepared By:** Jerry Litteral  
**Title:** Director – Quality & Development

**DISCLAIMER:** Some of the information presented is from sources other than direct test data on the product itself. The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.