

**1. PRODUCT AND COMPANY IDENTIFICATION**

<b>Product Name:</b> Magnet Bonder 44803A	<b>Product Type:</b> Anaerobic
<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.hernon.com

**2. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

Physical state: Liquid  
 Color: Light yellow  
 Odor: Sharp

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

**CAUTION:** MAY CAUSE 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:**

**Inhalation:** May cause respiratory tract irritation.

**Skin contact:** May cause allergic skin reaction. May cause skin irritation.

**Eye contact:** Contact with eyes will cause irritation.

**Ingestion:** May be harmful if swallowed.

**Existing Conditions Aggravated by Exposure:** Acrylic acid: Upper respiratory and lung diseases, dermatitis.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

<u>Components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Aromatic Urethane Methacrylate	50-70	None	None	None
High Boiling Methacrylate	10-20	None	None	None
Hydroxyalkyl Methacrylate	10-20	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)
Silica, fumed, treated	1-5	3mg/m <sup>3</sup> TWA respirable particles	None	None
Cumene Hydroperoxide	1-5	None	None	1 ppm (6 mg/m <sup>3</sup> ) Skin (WEEL)
Saccharin	1-5	None	None	None
1-Acetyl-2-phenylhydrazine	0.1-1	None	None	None

<b>4. FIRST AID MEASURES</b>	
<b>Ingestion:</b>	Do not induce vomiting. Keep individual calm. Obtain medical attention.
<b>Inhalation:</b>	Remove to fresh air. If symptoms develop and persist, get medical attention.
<b>Skin Contact:</b>	Wash with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if symptoms occur.
<b>Eye Contact:</b>	Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Get medical attention.
<b>5. FIRE FIGHTING MEASURES</b>	
<b>Flash Point (TCC):</b>	> 200°F
<b>Recommended Extinguishing Agents:</b>	Carbon dioxide, foam, dry chemical
<b>Special Firefighting Procedures:</b>	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
<b>Hazardous Combustion Products:</b>	Oxides of carbon. Oxides of nitrogen. Irritating organic vapors.
<b>Unusual Fire or Explosion Hazards:</b>	None known
<b>Flammable/Explosive Limits – lower %:</b>	2.0% Acrylic acid
<b>Flammable/Explosive Limits – upper %:</b>	8.0% Acrylic acid
<b>6. ACCIDENTAL RELEASE MEASURES</b>	
<b>Personal Precautions:</b>	Wear proper protective equipment
<b>Measures for Environmental Protection:</b>	Do not allow entry into drains or surface waters
<b>Clean-up Measures:</b>	Soak up with an inert absorbent. Store in partly filled, closed container until disposal.
<b>7. HANDLING AND STORAGE</b>	
<b>Handling:</b>	Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling. Use only with adequate ventilation.
<b>Storage:</b>	Keep refrigerated to preserve shelf life.
<b>8. EXPOSURE CONTROLS, PERSONAL PROTECTION</b>	
<b>Eye/Face Protection:</b>	Safety glasses or goggles with side shields
<b>Skin Protection:</b>	Use rubber or plastic gloves, and protective clothing as necessary
<b>Respiratory Protection:</b>	Use NIOSH approved respirator if there is a potential to exceed exposure limits
<b>Engineering Controls:</b>	Forced ventilation may be required if concentrations exceed exposure limits

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State:</b>	Liquid
<b>Color:</b>	Light yellow
<b>Odor:</b>	Sharp
<b>Vapor Pressure:</b>	Less than 5 mm at 80°F
<b>Vapor Density:</b>	Not available
<b>Solubility in Water:</b>	Slight
<b>Specific Gravity:</b>	1.07
<b>Boiling Point:</b>	> 300°F
<b>Volatile Organic Compound Content</b>	Not available
<b>Evaporation Rate (Ether = 1)</b>	Not available
<b>pH:</b>	Does not apply

**10. STABILITY AND REACTIVITY**

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

**11. TOXICOLOGICAL INFORMATION**

<b>Ingredients:</b>	Literature Referenced Target Organ and Other Health Effects					Carcinogen Status		
						NTP	IARC	OSHA
<b>Aromatic Urethane Methacrylate</b>	No data					NO	NO	NO
<b>High Boiling Methacrylate</b>	ALG	IRR				NO	NO	NO
<b>Hydroxyalkyl Methacrylate</b>	ALG	IRR				NO	NO	NO
<b>Acrylic Acid</b>	ALG	COR	IRR	KID	LIV	NO	NO	NO
<b>Silica, fumed, treated</b>	NTO					NO	NO	NO
<b>Cumene Hydroperoxide</b>	ALG	CNS	COR	IRR	MUT	NO	NO	NO
<b>Saccharin</b>	NTO					NO	NO	NO
<b>1-Acetyl-2-phenylhydrazine</b>	ALG	BLO	KID	MUT	SOM	NO	NO	NO

**Abbreviations:**

<b>ALG</b> Allergen	<b>IRR</b> Irritant	<b>COR</b> Corrosive	<b>KID</b> Kidney	<b>LIV</b> Liver	<b>NTO</b> No Target Organs
<b>MUT</b> Mutagen	<b>BLO</b> Blood	<b>CNS</b> Central Nervous System	<b>SOM</b> Some evidence of carcinogenicity		

**12. ECOLOGICAL INFORMATION**

**Ecological information:** Not available

**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

**WaterTransportation (IMO/IMDG):**

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

**15. REGULATORY INFORMATION**

**United States 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, Cumene Hydroperoxide  
**California Proposition 65:** This product contains a substance(s) known to the state of California to cause cancer and/or reproductive toxicity.

**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.

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**2. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

Physical state: Liquid  
 Color: Blue  
 Odor: Mild

**HMIS:**  
 HEALTH: 2\*  
 FLAMMABILITY: 1  
 PHYSICAL HAZARD: 0  
 Personal Protection: See Section 8

**CAUTION:** MAY CAUSE 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:**

**Inhalation:** May cause respiratory tract irritation.

**Skin contact:** May cause allergic skin reaction. May cause skin irritation.

**Eye contact:** Contact with eyes will cause irritation.

**Ingestion:** May be harmful if swallowed.

**Existing Conditions Aggravated by Exposure:** None known

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

<u>Components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Urethane Methacrylate Oligomer	60-100	None	None	None
Methacrylic Acid	10-20	20 ppm TWA	None	None
Silica, fumed, treated	1-5	3mg/m <sup>3</sup> TWA respirable particles	None	None

**4. FIRST AID MEASURES**

**Ingestion:** Do not induce vomiting. Keep individual calm. Obtain medical attention.  
**Inhalation:** Remove to fresh air. If symptoms develop and persist, get 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 with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Get 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:** Oxides of carbon. Oxides of nitrogen. Irritating organic vapors.  
**Unusual Fire or Explosion Hazards:** None known  
**Flammable/Explosive Limits – lower %:** Not available  
**Flammable/Explosive Limits – upper %:** Not available

**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 contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling. Use only with adequate ventilation.  
**Storage:** Keep refrigerated to preserve shelf life.

**8. EXPOSURE CONTROLS, PERSONAL PROTECTION**

**Eye/Face Protection:** Safety glasses or goggles with side shields  
**Skin Protection:** Use 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>	Blue
<b>Odor:</b>	Mild
<b>Vapor Pressure:</b>	Less than 5 mm at 80°F
<b>Vapor Density:</b>	Not available
<b>Solubility in Water:</b>	Slight
<b>Specific Gravity:</b>	1.18
<b>Boiling Point:</b>	> 300°F
<b>Volatile Organic Compound Content</b>	Not available
<b>Evaporation Rate (Ether = 1)</b>	Not available
<b>pH:</b>	Does not apply

**10. STABILITY AND REACTIVITY**

<b>Stability:</b>	Stable
<b>Hazardous Polymerization:</b>	Will not occur
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**11. TOXICOLOGICAL INFORMATION**

Ingredients:	Literature Referenced Target Organ and Other Health Effects	Carcinogen Status		
		NTP	IARC	OSHA
<b>Urethane Methacrylate Oligomer</b>	No data	NO	NO	NO
<b>Methacrylic Acid</b>	ALG COR IRR	NO	NO	NO
<b>Silica, fumed, treated</b>	NTO	NO	NO	NO

**Abbreviations:**

**ALG** Allergen    **IRR** Irritant    **COR** Corrosive    **NTO** No Target Organs

**12. ECOLOGICAL INFORMATION**

**Ecological information:** Not available

**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

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**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**

**United States Regulatory Information**

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**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): None

**16. OTHER INFORMATION**

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

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