



# MATERIAL SAFETY DATA SHEET

## PRODUCT MAGNIBOND

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### I. Product Identification

Product: **Magnibond**  
Synonyms: Polyurethane Oligomer Mixture

<u>NFPA Est.</u>		<u>HMIS Est.</u>	
Health:	2	Health:	2
Fire:	1	Flam:	1
React:	1	React:	1

### II. Composition

<u>Ingredient</u>	<u>Concentration %</u>	<u>C.A.S. number</u>	<u>ACGIH TLV</u>
High Boiling Methacrylate	20-30	PROPRIETARY	--
Photoinitiator	1-4	947-19-3	--
Polyurethane Oligomer	10-20	PROPRIETARY	--
High Boiling Acrylate	10-20	PROPRIETARY	--
High Boiling (Meth) Acrylate	25-35	PROPRIETARY	--
Acrylic Acid	1-5	79-10-7	2 ppm
High Boiling (Meth) Acrylate	10-20	PROPRIETARY	--

### III. Chemical and Physical Properties.

Vapor Pressure:	6mm Hg at 30°C	Vapor Density:	Heavier than Air
Solubility in Water:	Insoluble	Specific Gravity:	1.03
Boiling Point:	N.A.	Appearance:	Amber Liquid
Odor:	Mild		

### IV. Flammability and Explosive Properties.

Flash Point: >200°F (P.M.C.C.)  
 Recommended Extinguishing Agents: Use water spray, foam, dry chemical, or CO<sub>2</sub>.  
 Hazardous Products Formed by Fire or Thermal Decomposition: Toxic fumes (oxides of carbon and nitrogen) may be evolved upon exposure to heat or open flame.  
 Unusual Fire or Explosion Hazards: None.  
 Compressed Gases: None. Pressure at Room Temperature: N.A.

### V. Reactivity Data

Stability: Stable. Hazardous polymerization: May Occur.  
 Hazardous Decomp. Prod: None.  
 Incompatibility: Oxidizers, amines, strong Lewis or mineral acids, thiosulfates. Smoke and toxic fumes may be evolved as a result of uncontrolled exothermic reaction of large masses of material reacting with curing agents, such as peroxides, amines, or exposure to light.

### VI. Spill or Leak Procedures.

Dike area to prevent spreading. Absorb on vermiculite, sand or other inert absorbing materials. Dispose of as a chemical waste in accordance with current local, state and federal regulations.

### VII. Storage and Handling Procedures.

Storage: Avoid storage over 100°F, exposure to light, loss of dissolved air, loss of polymerization inhibitor, contamination with incompatible materials.  
 Handling: Avoid prolonged or repeated breathing of vapor.

### VIII. Shipping Regulations

DOT and IATA Hazard Classification: Not Restricted Article  
 Proper DOT Shipping Name: Not Applicable  
 Identification Number: DOT - None IATA - None

### IX. Emergency Treatment Procedures.

Eye Irritation: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.  
 Skin Contact: In case of skin contact, wash thoroughly with soap and water. Do not use organic solvents for cleanup as they may dry or irritate the skin and act as a carrier for chemical absorption.  
 Inhalation: Remove affected person to fresh air.  
 Ingestion: Low toxicity; Get medical attention.

**X. Personal Protection.**

Respiratory: Positive fresh air exhaust should be provided in the work area; respiratory equipment is unnecessary in normal use.  
Skin: Avoid skin contact. Wear gloves and impervious protective clothing if frequent direct contact is likely.  
Eyes: Do not wear contact lenses. Chemical safety goggles are recommended.

**XI. Health Hazard Data.**

Potential Routes of Entry: Skin, eyes, inhalation.  
Symptoms of Overexposure: Possible skin and eye irritation on contact. Inhalation of vapors in an unventilated area may, over time, induce headaches.

Exposure limits:	<u>ACGIH</u> (TLV)	<u>OSHA</u> (PEL)	<u>OTHER</u>		
Ingredients:					
Acrylic Acid	2 ppm				
	<u>Target Organ:</u>	<u>Carcinogen:</u>	<u>NTP</u>	<u>IARC</u>	<u>OSHA</u>
High Boiling Methacrylate	--	NO		NO	NO
Photoinitiator	--	NO		NO	NO
Polyurethane Oligomer	--	NO		NO	NO
High Boiling Acrylate	--	NO		NO	NO
High Boiling (Meth) Acrylate	--	NO		NO	NO
Acrylic Acid	--	NO		NO	NO
High Boiling (Meth) Acrylate	--	NO		NO	NO

Abbreviations:  
N/A - Not Applicable  
IRR - Irritant  
LIV - Liver  
ALG - Allergen  
KID - Kidney  
REP - Reproductive

**XII. Regulatory Information.**

SARA Listed Ingredients:  
ACRYLIC ACID

TSCA Inventory: All Ingredients

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**STATE RIGHT-TO-KNOW**

**California Proposition 65**

This product does not contain materials which the State of California has found to cause cancer, birth defects, or other reproductive harm.

**Massachusetts** Right-to-know, Substance List (MSL) Hazardous Substances and Extraordinary Hazardous Substances on the MSL must be identified when present in products. Components present in this product at a level, which could require reporting under the statute, are:

\*\*\*None\*\*\*

**Pennsylvania** Right-to-Know, Hazardous Substance List Hazardous Substances and Special Hazardous Substances on the list must be identified when present in products. Components present in this product at a level, which could require reporting under the statute, are:

\*\*\*None\*\*\*

Other Regulatory Information:

\*\*\*None\*\*\*

Abbreviations:

ACGIH= American Conference of Governmental Industrial Hygienists.  
OSHA= Occupational Safety and Health Administration.  
TLV= Threshold Limit Value.  
PEL= Permissible Exposure Limit.  
NTP= National Testing Program.  
IARC= International Agency for Research on Cancer.  
NFPA= National Fire Protection Association.  
HMIS= Hazardous Materials Identification System.  
-- No Data / Not Available.

**XIII. Preparation Information.**

Revision Date: 28-Feb-02

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