

Material Safety Data Sheet

Company Name: Adhesive R&D, Inc.
4603 Anderson Dr.
Eau Claire, WI 54703
EMERGENCY PHONE: 1-715-832-4557

NEPA Est:
Health: 2
Fire: 1
React: 1

HMIS Est:
Health: 2
Flam: 1
React: 1

1. IDENTIFICATION OF CHEMICAL

Product Name: **iBond MAG 32 Structural Adhesive**

2. COMPOSITION:

Ingredient	CAS #	Concentration %	ACGIH TLV
High Boiling Methacrylate:	Proprietary	10 - 30	----
Polyurethane (Meth)acrylate	Proprietary	10 - 30	----
High Temp Modifier	Proprietary	10-30	
Isobornyl Acrylate	5888-33-5	35 - 55	----
Methacrylic Acid	79-41-4	5-10	2 ppm
Hydroxyalkyl Methacrylate	868-77-9	10 - 30	----
Acrylic Acid	79-10-7	1- 5	----
Adhesion Enhancer	Proprietary	1-5	
Tert-butyl Perbenzoate	614-45-9	0.5 - 1.0	

3. CHEMICAL AND PHYSICAL PROPERTIES

Vapor Pressure: 6 mm Hg at 30 °C
Solubility in water: Insoluble
Boiling Point: N.A.
Odor: Mild

Vapor Density: Heavier than air
Specific Gravity: 1.06
Appearance: Clear Liquid

4. FLAMMABILITY AND EXPLOSIVE PROPERTIES

Flash Point: > 200 °F (P.M.C.C.)
Recommended Extinguish Agents: Use water spray, foam, dry chemical, or CO₂.
Hazardous products formed by fire or thermal decomposition: Toxic fumes (oxide 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 Temp: N.A.

5. 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.

6. SPILL or LEAK PROCEDURES

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

7. 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.

8. SHIPPING REGULATIONS:

DOT and IATA hazard classification: Not Restricted Article

Proper DOT Shipping Name: Not Applicable

DOT – None IATA – None

9. EMERGENCY TREATMENT PROCEDURE

Skin contact: In the case of skin contact, flood the splashed area with large quantities of running water.

Eye contact: If the substance has entered the eyes, wash out with water or saline solution for at least 15 minutes.

Ingestion: Low toxicity; get medical attention.

Inhalation: Remove affected person to fresh air.

10. 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.

11. HEALTH HAZARD DATA

Potential routes of entry: skin, eyes, and inhalation

Symptoms of exposure: possible skin and eye irritation on contact. Inhalation of vapors in an unventilated area may, over time, induce headache.

Exposure Limits: Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER	
Acrylic Acid	2 ppm	-----	----	
	Target Organs:		Carcinogen:	
High Boiling Methacrylate	----	NTP NO	IARC NO	OSHA NO
High Boiling Acrylate	----	NO	NO	NO

Urethane Methacrylate	----	NO	NO	NO
Acrylic Acid	----	NO	NO	NO

12. REGULATORY INFORMATION:

Sara Listed Ingredients:

ACRYLIC ACID

TASCA Inventory: All Ingredients

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 surface 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

Legal disclaimer: The above information is correct to the best of our knowledge. However, Adhesive R&D, Inc. does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All material may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.