





**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Color Liquid Paste

**Color:** Varies, including clear

**Physical State:** Liquid

**Odor:** Mild/Sweet

**pH:** 4.0 to 6.0

**Vapor Pressure:** 28 mm Hg @ 68°F

**Vapor Density:** >1 (Air =1)

**VOC:** < 50 gm/l mixed product

**Boiling Point:** 212°F (100°C)

**Freezing Point/Melting Point:** Not Available

**Specific Gravity:** .90 to 1.10 (Water = 1)

**Solubility:** Not Soluble in Water

**Viscosity:** 30,000 to 100,000 CPS

**Evaporation Rate:** 3 (butyl acetate = 1)

**Percent Solids by Weight:** Not Available

**10. STABILITY AND REACTIVITY**

**Stability:** Product is stable as supplied and when used as intended.

**Hazardous Decomposition Products:** Carbon Oxides (CO and CO<sub>2</sub>), Methyl Methacrylate and various hydrocarbons.

**Hazardous Polymerization:** Product may undergo polymerization. Avoid strong acids, bases, or free radical initiators.

**Materials to Avoid (Incompatibility):** Avoid oxidizers, reducing agents, acids, bases, free radical initiators (adhesive will polymerize and give off heat when exposed to free radicals), and combustible materials.

**Conditions to Avoid:** Avoid high temperatures, open flames, and sparks.

**11. TOXICOLOGICAL INFORMATION**

**Acute Toxicity to Animals:**

Methyl Methacrylate: LC50 = 7093 mg/m<sup>3</sup> (4 hour, rat)  
 LD50 = 7940 mg/kg (oral, rat)  
 LD50 = 3625 mg/kg (oral, mouse)  
 LD50 > 7550 mg/kg (dermal, rabbit)

Methacrylic Acid: LC50 = 7100 mg/kg (oral rat)  
 LD50 > 7550 mg/kg (oral, rat)  
 LD50 = 1600 mg/kg (oral, mouse)  
 LD50 > 500 mg/kg (dermal, rabbit)

**Chronic Toxicity to Animals:** No additional information.

**Chronic Effects on Humans:** No additional information.

**Mutagenic Effects:** Classifiable None for human.

**Developmental Toxicity:** Classifiable None for human.

**Acute Toxicity to Humans:** No additional information.

**Carcinogenic Effects:** Not classifiable for human or animal.

**Teratogenic Effects:** Classifiable None for human.

**May Cause Damage to the Following Organs:** No additional information.

**12. ECOLOGICAL INFORMATION**

**Fish Toxicity:** Methyl Methacrylate, 150 ppm 96 hour LC50 (flathead minnow), 232 ppm 96 hour LC50 (bluegill sunfish).

**Ecotoxicity:** No additional information.

**BOD5 and COD:** Not Available.

**Biodegradable/OECD:** Not Available

**Toxicity of the Products of Biodegradation:** Not Available

**Special Remarks on the Products of Biodegradation:** Not Available.

**13. DISPOSAL CONSIDERATIONS**

Hazardous waste product (RCRA 40 CFR 261) classified as D001. Spilled, contaminated, or waste material should be put into a suitable container and handled according to Federal, State, and local regulations. Contact a qualified waste management company for assistance.

Dispose of in accordance with federal, state and local requirements.

**14. TRANSPORTATION INFORMATION**

**Proper Shipping Name:** Adhesive, containing a flammable liquid. **Hazard Class:** 3 **Identification Number:** UN 1133

**Packing Group:** II **Label Code:** 3

**15. REGULATORY INFORMATION US Federal and State Regulations** All quantities in pounds

Chemical (& CAS No)	SARA 302 (EHS) TPQ	SARA 304 (EHS)Rq	SARA 313 de minimis	Cercla Rq	CAA 112(r) TQ	RCRA Code
Methyl Methacrylate (80-62-6)			1.0	1,000		U162
Methacrylic Acid (71-41-3)	CA Prop 65	MA RTK	MN RTK	NJ RTK	PA RTK	RI RTK

**DSL (Canada):** The chemicals in this product are listed. **EINECS:** The chemicals in this product are listed. **WHIMS:** B2, C, and D2B.

**16. OTHER INFORMATION**

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This Material Safety Data Sheet (MSDS) has been reviewed to fully comply with the guidance contained in the ANSI MSDS standard (ANSI Z400.1-2004). The data contained in this Material Safety Data Sheet relates only to the specific product designated herein and does not relate in any way to use in combination with any other material(s), product or process. The information and statements contained herein are believed to be reliable but are not to be construed as a warranty or representation for which GlueBoss Adhesive Company LLC assumes legal responsibility. GlueBoss Adhesive Company LLC, MAKES NO WARRANTY OF ANY KIND, EXPRESSED OR IMPLIED, CONCERNING THE ACCURACY OR COMPLETENESS OF THE INFORMATION AND DATA HEREIN. EXCLUDED ARE ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Users should undertake verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein.

**END OF MSDS DOCUMENT**