

# MATERIAL SAFETY DATA SHEET

## HARRY J. BOSWORTH COMPANY

7227 North Hamlin Avenue  
 Skokie, Illinois 60076-3999  
 Information Phone: 847.679.3400  
 Emergency Phone: 800.535.5053

HAZARD RATING		
N	4 - EXTREME	
F	3 - HIGH	
P	2 - MODERATE	
A	1 - SLIGHT 0 - INSIGNIFICANT	

**PRODUCT:** Trim™ /TrimII™ Liquid

DATE PREPARED: 06/24/04

Hazardous Components	
<b>INGREDIENTS:</b> 1. Isobutyl Methacrylate 2. Di-Butyl Phthlate 3. Dimethyl-p-toluidine	<b>PERCENTAGE:</b> 1. N/A 2. N/A 3. N/A
<b>COMMON NAMES AND SYNONYMS:</b> 1. IBMA 2. Plasticizer 3. Accelerator	<b>CAS NUMBER:</b> 1. 97-86-9 2. 84-74-2 3. 99-97-8
<b>PEL:</b> 1. N/D 2. 5 mg/m <sup>3</sup> 3. N/D	<b>UN NUMBER:</b> 1. UN 3082 2. UN 2283 3. UN 2810
<b>TLV:</b> 1. N/D 2. 5 mg/m <sup>3</sup> 3. N/D	

Physical/Chemical Characteristics	
<b>BOILING POINT/FLASH POINT:</b> at 760 mm Hg-311°F (155°C)	<b>pH:</b> N/A
<b>SPECIFIC GRAVITY: (Water = 1)</b> 0.88 @ 20°C	<b>VAPOR DENSITY</b> 4.91 @ 60°F (Air=1)
<b>VAPOR PRESSURE:</b> 3 mm Hg @ 68°F (20°C)	<b>EVAPORATION RATE:</b> .5 (Butyl Acetate=1)
<b>APPEARANCE/ODOR:</b> Colorless liquid with acrylic odor.	<b>SOLUBILITY IN WATER:</b> N/A

Reactivity Data
<b>STABILITY:</b> Stable at normal temperatures and storage conditions
<b>CONDITIONS TO AVOID:</b> Avoid heat and ignited sources, storage in inert atmosphere, avoid contamination with foreign materials. Avoid reducing agents and oxidizing agents. Material has strong action and can soften paint and rubber.
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b> Oxides of carbon and nitrogen smoke of various hydrocarbons.
<b>HAZARDOUS POLYMERIZATION:</b> May occur.
<b>CONDITIONS TO AVOID:</b> Avoid excessive heat. Store in absence of inhibitor. Avoid inadvertent addition of catalyst. Strong oxidizing agents

Fire and Explosion Hazard Data	
<b>FLASH POINT:</b> 113°F (45°C)	<b>LIMITS:</b> LEL: 1.8 vol% UEL: 8.2 vol%
<b>EXTINGUISHING MEDIA:</b> Chemical foam, carbon dioxide, dry chemical, water fog (by trained personnel)	
<b>SPECIAL FIREFIGHTING PROCEDURES:</b> Fight fires from safe distance or protected areas. Cool containers of material exposed to heat with cold water spray. Wear NIOSH approved breathing apparatus.	
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS:</b> Sealed containers elevated to temperatures and any rupture due to polymerization. Liquid vapors are heavier than air and may travel to ignition source.	

Health Hazard Data	
CARCINOGENICITY: N/A	NTP: No evidence
IARC: No evidence	OSHA REGULATED: No
Effects and Hazards of Overexposure (Acute and Chronic)	
EFFECTS AND HAZARDS OF EYE CONTACT: Prolonged exposure may irritate or burn eyes.	
EFFECTS AND HAZARDS OF SKIN CONTACT: Prolonged exposure may irritate skin	
EFFECTS AND HAZARDS OF INHALATION (BREATHING): Can cause nausea, headaches, drowsiness, breathing difficulties and unconsciousness.	
EFFECTS AND HAZARDS OF INGESTION (SWALLOWING): As above	
OTHER REGULATORY INFORMATION: California Proposition 65 Warning: This product may contain a chemical known to the state of California to cause cancer.	

Emergency and First Aid Procedures
TREATMENT FOR EYE CONTACT: Immediately flush eyes with water, contact physician.
TREATMENT FOR SKIN CONTACT: Wash skin with soap and water.
TREATMENT FOR INHALATION (BREATHING): Move to fresh air. Administer oxygen or artificial respiration if needed, contact physician.
TREATMENT FOR INGESTION (SWALLOWING): Induce vomiting and contact a physician.
Precautions for Safe Handling and Use
STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Evacuate area, remove other materials to avoid contamination. Avoid contact, confine and remove with inert absorbent.
WASTE DISPOSAL METHOD: Do not allow to drain into sewer system. Biological digestion can be considered. Abide local, state and federal laws of disposal.
PRECAUTIONS TO BE TAKEN IN HANDLING AND REGULATIONS FOR STORAGE OF FLAMMABLE LIQUIDS SHOULD BE FOLLOWED.
OTHER PRECAUTIONS: Ground containers when transferring liquid. Allow air space to exist inside storage containers.

Control Measures
RESPIRATORY PROTECTION: NIOSH/MSDA approved air purifying respirator with an organic vapor cartridge may be used.
Ventilation
LOCAL EXHAUST VENTILATION When vapors exceed 100 ppm, use self-contained breathing apparatus.
SPECIAL VENTILATION: Sufficient to deep concentration under 100 ppm per 8 hours.
MECHANICAL (GENERAL) VENTILATION: None
OTHER VENTILATION: None
PROTECTION GLOVES: Neoprene
EYE PROTECTION: Safety goggles
OTHER PROTECTIVE EQUIPMENT: Eyewash, safety shower. Overshoes and coveralls
WORK AND HYGIENIC PRACTICES: Above and normal hygiene

Additional Information	
This MSDS was prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29CFR 1910.1200) and is to be used only for this product. The information contained in this sheet is, to the best of our knowledge, believed to be accurate	
Health Hazard Index:	Ratings:
SEVERE HAZARD	1
SERIOUS HAZARD	2
MODERATE HAZARD	③
SLIGHT HAZARD	4
MINIMUM HAZARD	5
Shipping Information	
REGULATED IATA: N/A	
PROPER SHIPPING NAME: Isobutyl Methacrylate	
HAZARD CLASS: 3	
IDENTIFICATION NUMBER: UN 2283	
PACKAGING GROUP: III	
LABEL: Flammable	

To the best of our knowledge, the information contained herein is accurate. However, The Harry J. Bosworth company 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 materials 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.