

MATERIAL SAFETY DATA SHEET

# Permaslip Mounting Medium

In compliance with OSHA 29 CFR 1910.1200

Manufactured by: Alban Scientific, Inc. Phone: 314-772-4114  
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St. Louis, MO 63118 Date Prepared: August 01, 2002

## SECTION I – Product

Number: 030A325A H M I S Hazard Codes  
Name: Permaslip Mounting Media Health: 2 Moderate  
Class: Coating Flammability: 3 Serious  
Reactivity: 0 Minimal  
Personal Protective Equipment: X

## SECTION II – Hazardous Ingredients

Ingredient	% By Weight	C.A.S. Registry No.	LEL	Vapor Pressure mm Hg @ 20 degrees C
Tolulene	67	108-88-3	1.0	22.0
Acrylic Resin	30	n/a		
Plasticizer	3	n/a		

## SECTION III – Physical Data

Boiling Range: >230 degrees F Freezing Point: N/A degree F  
Vapor Pressure: 22mm @ 20 degrees C Vapor Density: Heavier than air  
Specific Gravity: 0.94 H2O Soluble: Negligible (<0.1%)  
Evaporation Rate: Slower (relative to n-butyl acetate) % Volatile by Volume: 70.84%

Appearance and Odor: CLEAR LIQUID; SOLVENT ODOR

## SECTION IV – Fire and Explosion Hazard Data

Flash Point: 40 degrees F Explosive Limits: LEL: 1.0 UEL (% V in air): 7.0  
(Method used: TAG)

**FLAMMABILITY CLASSIFICATION:** OSHA: Flammable Liquid – Class IB DOT: Flammable Liquid

**EXTINGUISHING MEDIA:** Foam, alcohol foam, carbon dioxide, dry chemical, water fog.

### **SPECIAL FIRE FIGHTING PROCEDURES:**

Fire fighters should wear a self-contained breathing apparatus with a full-face piece operated in a positive pressure mode.

Fire fighters should wear full protective clothing to guard against exposure to toxic and irritating fumes.

Spray containers exposed to fire and heat with water to keep cool.

### **UNUSUAL FIRE & HAZARDS:**

Vapors are heavier than air and may travel along the ground and be ignited by heat, sparks, cigarettes, or other ignition sources at locations distant from the material handling point. Ground all equipment.

Do not weld or use a cutting torch on or near drums, even if empty. Empty drums contain residual material, which may ignite explosively.

Empty drums contain residual material, which may decompose to emit toxic or irritating fumes if burned.

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**SECTION V – Toxicological Information**

<b>INGREDIENT</b>	<b>PEL</b>	<b>TLV(mg/m3)</b>	<b>ppm(twa)</b>
Toluene	100.00	375.0	100.0

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**SECTION VI – Health Hazard Guide**

Threshold Limit Values – See Section V

**EFFECTS OF OVEREXPOSURE:**

May cause moderate to severe eye irritation, redness, tearing, or blurred vision.

Repeated or prolonged skin contact may cause irritation and drying.

Ingestion can cause G.I. irritation, nausea, vomiting, or diarrhea.

Excessive inhalation of solvent vapors can cause respiratory irritation, headaches, dizziness, and/or nausea.

**EMERGENCY AND FIRST AID PROCEDURES:**

Flush eyes with large amounts of water for a least fifteen minutes. Get medical attention.

Wash skin thoroughly with large amounts of soap and water. Consult a physician if irritation develops or persists.

Remove contaminated clothing and wash before re-use.

If affected by vapors, remove patient to fresh air and get medical attention. Give oxygen or artificial respiration if necessary.

If swallowed, DO NOT INDUCE VOMITING. Keep the patient warm and still. Get medical attention immediately! Aspiration of material into the lungs can result if vomiting occurs. This may cause chemical pneumonitis, which can be fatal.

CARCINOGENIC ACCORDING TO NTP, IARC, OR OSHA? This product does not contain ingredients listed by NTP, IARC, or OSHA.

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**SECTION VII – Reactivity Data**

**STABILITY:** Stable

**STABILITY CONDITIONS TO AVOID:** Exposure to heat or sparks

**INCOMPATIBILITY (MATERIALS TO AVOID CONTACT WITH):** Strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** CO, CO<sub>2</sub>: Traces of acrylic monomer vapors

**POLYMERIZATION CONDITIONS TO AVOID:** None

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**SECTION VIII – Spill of Leak Procedures**

**STEPS FOR MATERIAL SPILLAGE:**

Eliminate all ignition sources from the area.

Properly protected personnel should contain the spill and soak it up with absorbent material. Shovel the absorbed material into containers for disposal.

**WASTE DISPOSAL METHODS:**

If disposed of as shipped, this material would be an ignitable hazardous waste.

Dispose of according to federal, state and local regulations.

Empty containers retain product residue and are subject to all of the handling instructions on this sheet.

**CERLA (Superfund) and DOT REPORTABLE QUANTITY:** 1447 Pounds of Toluene

**VOLATILE ORGANIC COMPOUND (VOC):**

(As packaged, minus water) Theoretical 5.14 pounds/gallon Analytical: N/A

**SARA TITLE III REGULATORY INFORMATION:**

Section 302 – Extremely Hazardous Substances: Does not contain

Section 311/312: Categories for Tier I and Tier II Reporting

Fire  Immediate (Acute) Health

Reactivity  Delayed (Chronic) Health

Sudden release of Pressure

Section 313: Emissions reporting – All product ingredients with “Yes” in the “Listed?” column are subject to the reporting requirements of Section 313. EPA lists chemical by name and CAS number or by chemical category. This information must accompany all copies of the MSDS.

CHEMICAL	CAS NUMBER	LISTED	PERCENT
Toluene	108-88-3	Yes	60-80

**CALIFORNIA PROPOSITION 65:** This product contains trace amounts of benzene (<0.1%), a chemical known to the state of California to cause cancer.

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**SECTION IX – Special Protection Information**

**RESPIRATORY PROTECTION:** If the TLV for a solvent is exceeded use a NIOSH/MSHA approved organic vapors mask. If the TLV is greatly exceeded use a positive pressure, air supplied or self-contained breathing apparatus.

**VENTILATION:**

Mechanical or local exhaust is required to keep concentrations below the TLV and/or to prevent any accumulation of vapors.

Provide mechanical or local exhaust during baking to prevent fumes from accumulating.

**PROTECTIVE GLOVES:** Solvent resistant gloves

**EYE PROTECTION:**

Chemical safety glasses or splash goggles to prevent eye contact.

Do not wear contact lenses.

**OTHER PROTECTIVE EQUIPMENT:**

If needed to prevent unnecessary skin contact.

Eyewash stations and emergency showers should be available in the immediate work area.

**PRIMARY ROUTES OF ENTRY:** Skin contact; Inhalation

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**SECTION X – Special Precautions****HANDLING AND STORAGE PRECAUTIONS:**

Avoid unnecessary skin contact with this product.

Avoid breathing vapors.

Provide adequate ventilation during use.

Provide ventilation if the material is heated or baked during fusion. Repeated or prolonged occupational overexposure to solvents has been reported to be associated with serious chronic health effects, and even permanent brain and nervous system damage.

Wear and appropriate respirator during and after use unless airborne concentrations are known to be below the TLV.

**OTHER PRECAUTIONS:**

Store in a cool, dry location.  
Keep containers tightly sealed and upright when not in use.

**SHIPPING INFORMATION:**

DOT Shipping Name: Paint  
HAZARD CLASS: Flammable Liquid  
UN/NA Number: UN 1263

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While the information and recommendations set forth herein are believed to be accurate as of the date hereof, Alban Scientific, Inc. makes no warranty with respect thereto and disclaims any liability from reliance thereon.

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