

**MATERIAL SAFETY DATA SHEET  
LAYUP & LAMINATING EPOXY PART B**

**General Info:** Distributed by  
The Rot Doctor  
P.O. BOX 30612  
Seattle, WA 98113  
(206)364-2155

**FOR CHEMICAL EMERGENCY**  
Spill, Leak, Fire, Exposure or Accident  
**CALL INFOTRAC - Day or Night**  
**1-800-535-5053**  
Outside the United States call Collect  
1-352-323-3500

**REVISION DATE:** 02/02/2011

===== **SECTION I - PRODUCT IDENTIFICATION** =====

**PRODUCT NAME:** LAYUP & LAMINATING EPOXY PART B  
**FAMILY / CHEMICAL NAME:** EPOXIDE  
**PRODUCT TYPE:** LIQUID RESIN

===== **SECTION II - INGREDIENTS** =====

	<b>WEIGHT</b>	<b>CAS</b>	<b>OSHA</b>	<b>OSHA</b>	<b>OSHA</b>	<b>ACGIH</b>	<b>ACGIH</b>	<b>ACGIH</b>
<b>NAME</b>	<b>%</b>	<b>#</b>	<b>TWA</b>	<b>PEL</b>	<b>STEL</b>	<b>TLV</b>	<b>TWA</b>	<b>STEL</b>
Bisphenol A Diglycidylether Resin	<50%	25068-38-6	N/A	N/A	N/A	N/A	N/A	N/A
Alpha Pinene Oxide	<50%	1686-14-12	N/A	N/A	N/A	N/A	N/A	N/A
Bisphenol F Diglycidylether Resin	<50%	55492-52-9	N/A	N/A	N/A	N/A	N/A	N/A
Phenylethylene Oxide	<50%	96-09-3	N/A	N/A	N/A	N/A	N/A	N/A
Aliphatic Polyol Polyepoxide	<50%	30499-70-8	N/A	N/A	N/A	N/A	N/A	N/A
Epoxidized Vegetable Oil	<50%	8013-07-8	N/A	N/A	N/A	N/A	N/A	N/A
Neopentyl Glycol Diglycidylether	<50%	17557-23-2	N/A	N/A	N/A	N/A	N/A	N/A
Cyclohexene Oxide	<50%	286-20-4	N/A	N/A	N/A	N/A	N/A	N/A
Epichlorohydrin	<1 ppm	106-89-8	2PPM	N/A	N/A	N/A	2PPM	N/A

**SUSPECTED CANCER AGENT:** NO

===== **SECTION III - HAZARDS IDENTIFICATION** =====

**EMERGENCY OVERVIEW:** Can cause skin irritation, eye irritation, and allergic skin reaction.

**PRIMARY ROUTE OF ENTRY:** Dermal

===== SECTION IV - FIRST AID MEASURES =====

**EMERGENCY AND FIRST AID PROCEDURES - EYES:** Immediately flush eyes with water for at least 15 minutes, lifting upper and lower lids occasionally. Call physician. Get immediate medical attention.

**EMERGENCY AND FIRST AID PROCEDURES - SKIN:** Promptly wash with mild soap and water for at least 15 minutes while removing contaminated clothing and shoes.

**EMERGENCY AND FIRST AID PROCEDURES - INGESTION:** If conscious, give large quantities of water. Induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person. Call a physician.

**EMERGENCY AND FIRST AID PROCEDURES - INHALATION:** Remove to fresh air. Give oxygen if breathing is difficult.

**EMERGENCY AND FIRST AID PROCEDURES - OTHER:** Promptly remove wet contaminated non-impervious clothing. Wash before reuse.

===== SECTION V - FIRE AND EXPLOSION DATA =====

**FLASH POINT:** >200°F (93.3°C)

**EXTINGUISHING MEDIA:** Carbon dioxide, foam, dry chemical, water spray.

**FIRE FIGHTING PROCEDURES - SPECIAL:** Use self-contained breathing apparatus.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Decomposition and combustion products may be toxic.

===== SECTION VI - ACCIDENTAL RELEASE MEASURES =====

**ACCIDENTAL RELEASE MEASURES:** Avoid all personal contact. Take up with absorbent material. Shovel into closable containers. Flush contaminated area with water.

===== SECTION VII - HANDLING & STORAGE =====

**SIGNAL WORD:** Warning!

**PRECAUTIONS:** Can cause skin irritation, eye irritation, and allergic skin reaction. Avoid contact with eyes, skin and clothing. Wash after thoroughly after handling.

**STORAGE INFORMATION:** Store in cool, dry area in sealed containers. Keep containers closed to prevent moisture absorption and contamination.

===== SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION =====

**VENTILATION:** Good general mechanical ventilation and local exhaust.

**PROTECTIVE GLOVES:** Wear impervious gloves, neoprene or rubber.

**EYE PROTECTION:** Wear splash-proof chemical goggles or safety spectacles with side shields.

**RESPIRATORY PROTECTION:** Use NIOSH approved respirator suitable for organic vapors, if required.

**OTHER PROTECTIVE EQUIPMENT:** Wear appropriate equipment to prevent eye or skin contact. Use of barrier cream recommended.

===== SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES =====

**APPEARANCE AND ODOR:** Clear viscous liquid, mild odor.

**BOILING POINT:** >200°C.

**DECOMPOSITION TEMPERATURE:** >200°C.

**SOLUBILITY IN WATER:** Insoluble.

**SPECIFIC GRAVITY:** 1.17 (H<sub>2</sub>O=1)

===== SECTION X - STABILITY AND REACTIVITY =====

**STABILITY:** Stable under normal storage conditions.

**CONDITIONS TO AVOID:** Elevated temperatures.

**INCOMPATIBILITY:** Strong oxidizing agents, mineral acids (E.G. H<sub>2</sub>SO<sub>4</sub>, HCL, HNO<sub>3</sub>, HCLO<sub>4</sub>) and epoxy resins under uncontrolled conditions.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Monoxide, Carbon dioxide, Aldehydes.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** Strong acids or bases in bulk.

===== SECTION XI - HEALTH HAZARD DATA =====

**WARNING:** HARMFUL IF SWALLOWED. HIGH CONCENTRATION OF VAPORS MAY CAUSE SEVERE IRRITATION OF EYES AND RESPIRATORY TRACT.

**PRIMARY ROUTES OF EXPOSURE:** Dermal.

**ORAL LD50:** (Rats) >5000 mg/kg; slightly toxic

**SKIN IRRITATION:** (Rabbits) MODERATE IRRITATION

**EYE IRRITATION:** (Rabbits) SLIGHT IRRITATION

**SENSITIZATION:** MODERATE SENSITIZER

**OVEREXPOSURE EFFECTS:** Irritation, sensitization and dermatitis.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Allergy, eczema or skin conditions.

===== SECTION XII - ECOLOGICAL INFORMATION =====

**BIODEGRADABILITY: (Modified Sturm method):** ~13%

**FISH TOXICITY:** Rainbow Trout (96 hr.): LC50 1.4 mg/l.  
Zebra Fish (96 hr.): LC50 2.2 mg/l.

**INVERTEBRATE TOXICITY:** Daphnia Toxicity (24 hr.): EC50 3.4 mg/l.

===== SECTION XIII - DISPOSAL CONSIDERATIONS =====

**SPILL PROCEDURES:** Avoid all personal contact. Take up with absorbent material. Shovel into closable containers. Flush contaminated area with water.

**WASTE DISPOSAL METHODS:** Dispose of as hazardous waste in accordance with federal, state and local regulations.

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===== SECTION XIV - TRANSPORTATION INFORMATION =====

**DOT:** Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s.  
Technical Shipping Name (If n.o.s.): Bisphenol A epoxy resin  
Hazard Class: 9  
ID Number: UN 3082  
Packing Group: PG III  
Label: Miscellaneous  
Marine Pollutant: Marine Pollutant

**IATA:** Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s.  
Technical Shipping Name (If n.o.s.): Bisphenol A epoxy resin  
Hazard Class: 9  
ID Number: UN 3082  
Packing Group: PG III  
Label: Miscellaneous  
Marine Pollutant: Marine Pollutant

**IMDG:** Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s.  
Technical Shipping Name (If n.o.s.): Bisphenol A epoxy resin  
Hazard Class: 9  
ID Number: UN 3082  
Packing Group: PG III  
Label: Miscellaneous  
Marine Pollutant: Marine Pollutant

**TDG:** Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s.  
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===== SECTION XV - REGULATORY INFORMATION =====

**US FEDERAL REGULATIONS:**

**Occupational Safety and Health Act (OSHA):** This Material Safety Data Sheet (MSDS) has been prepared in compliance with the federal OSHA Hazard Communication Standard 29 CFR 1910.1200. This product is considered to be a hazardous chemical under that standard.

**Resource Conservation and Recovery Act (RCRA):** Not a hazardous waste under RCRA (40 CFR 261).

**SARA Title III:** Section 313 Toxic Chemical List (TCL): This product does not contain any chemicals for routine annual toxic chemical release reporting under Section 313 (40 CFR 372).

**TSCA Section 8(b) - Inventory Status:** All chemical components of this product are in compliance with TSCA inventory requirements.

**TSCA Section 12(b) - Export Notification:** This product does not contain any chemical(s) that are subject to a Section 12(b) export notification.

===== SECTION XVI - OTHER INFORMATION =====

**DOT CLASS:** Class 9

**RCRA STATUS:** Not a hazardous waste under RCRA (40 CFR 261)

**CERCLA STATUS:** Not listed.

**TSCA INVENTORY STATUS:** Chemical components listed on TSCA inventory.

**CALIFORNIA STATE PRODUCT LIABILITY WARNING (BUSINESS AND PROFESSIONS CODE, SECTION 1714.45):** This product is inherently unsafe. It can not be made safe.

**ISSUE DATE:** 07/31/1988    **REVISION:** 02/02/2011

**FOR FURTHER INFORMATION, PLEASE CONTACT:** The Rot Doctor, Inc.

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained herein.