

**Material Safety Data Sheet
Permalac**

SECTION 1

Manufacturer's Name:.....Peacock Laboratories, Inc.
Address:.....1901 S. 54th Street
City, State, and Zip:.....Phila., PA 19143
Date
Prepared:.....2/2000
Emergency Number:.....(215)729-4400
Chemtrec:.....(800)424-9300

SECTION 2

Hazardous Ingredients Weight

Hazardous Component (s) CAS Number OSHA PEL ACGIH TLV Percent

Toluene: 108-88-3 na 100 ppm TWA <85%

150 ppm STEL

N-Butyl: 123-86-4 na 150 ppm TWA <5%

200 ppm STEL

SECTION 3

PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point: 231-350F

Specific Gravity (water=1): N/A

Vapor Pressure (mm Hg): Toluene-22.0 N-Butyl acetate-14.0

Vapor Density (Air=1): Is heavier than air.

Solubility in Water: Slight Reactivity in Water: None

Appearance and Odor: Clear liquid solvent.

Melting Point: N/A

Volatile by Weight: 84.9%

Volatile by Volume: 88.0%

VOC: Not more than 6.49 lbs/gal. or 778 g/l

The above data are approximate or typical values and should not be used for precise design purposes.

SECTION 4:

FIRE & EXPLOSION DATA

Flash Point: 45F Method Used: Selaflash closed cup

Flammable Limits in Air % by Volume: LEL 1.0%

UEL 12.5%

Auto-Ignition Temperature: N/A

Extinguisher Media: Dry chemical, carbon dioxide foam

Special Fire Fighting Procedures: Use NIOSH/MSHA approved gas mask for fire fighting personnel.

Water may be used to cool containers. If water is used fog nozzles are preferred.

Unusual Fire and Explosive Hazards: Keep containers tightly closed. Vapors may migrate to ignition

source and cause flash fire. Isolate from heat, sparks, electrical equipment, appliances, pilot lights,

flames and other sources of ignition. Flammable liquid and vapor.

SECTION 5

PHYSICAL HAZARDS (REACTIVITY DATA)

Stability: Stable

Incompatibility (Materials to Avoid): Strong oxidizing agents avoid contact with heat, flames and sparks.

Hazardous Decomposition Products: N/A

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Hazardous Polymerization: Will not occur under normal conditions.

Conditions to Avoid: None.

SECTION 6

HEALTH HAZARDS

Acute:

Chronic:

Signs and Symptoms of Exposure: Breathing of high vapor concentrations may produce narcosis.

Liquid

may cause minor skin irritation and definite eye irritation. Causes nose and throat irritation.

Causes eye

irritation. Causes skin irritations.

Medical Conditions Generally Aggravated by Exposure: Repeated and prolonged overexposure to

solvents could cause permanent brain and nervous system damage. Intention misuse by deliberately

concentrating & inhaling contents may be harmful or fatal.

Chemical Listed as Carcinogen or Potential Carcinogen:

National Toxicology Program: No

I.A.R.C. Monographs: No

OSHA: No

Emergency and First Aid Procedures:

Inhalation: Remove to fresh air, restore breathing. Consult a physician.

Skin Contact: Flush with water then wash skin thoroughly with soap and water. Consult a physician.

Eye Contact: flush immediately with large amounts of water for at least 15 minutes. Consult a physician.

Ingestion: Get medical attention immediately.

SECTION 7

SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be taken in handling and storage: Store away from heat, sparks and open flame.

Avoid

prolonged skin contact. Do not breath spray mist. Store in cool dry area with ventilation suitable for

storing materials shown in section 2.

Other Precautions: Ground containers while pouring. Avoid spontaneous combustion of contaminated

rags or other organic materials. Empty containers may retain hazardous properties and can be dangerous.

Steps to be taken in case material is released or spilled: In case of spoilage absorb with inert material

and dispose of in accordance regulations of E.P.A. and other local, state, and federal authorities.

Waste disposal methods (Consult federal, state, and local regulations): Place in closed containers.

Dispose of product in accordance with local, country, state, and federal regulations.

SECTION 8

SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

Respiratory Protection (specify type): NIOSH/OSHA approved respirator types suitable for materials in

section 2 recommended. Approved chemical/mechanical filters recommended when ventilation is restricted. Do not breathe (dust, vapors or spray mist). Wear appropriate, respirator

(NIOSH/MSHA

approved) during & after application unless air monitoring records vapor/mist levels below applicable

limits. Follow respirator manufacturer directions for use.

Ventilation: Sufficient ventilation, in volume and pattern, should be provided to keep air contamination

below current applicable OSHA permissible exposure limit or ACGIH's TLV limit. Use with adequate ventilation.

Protective Gloves: Chemical resistant plastic or rubber.

Eye Protection: Chemical goggles with side shields or face shield recommended.

Other Protective Clothing or Equipment: As required to avoid wetting clothing. Use protective creams

where skin contact is likely. Remove and wash contaminated clothing before reuse. Eye bath and safety shower.

Work/Hygienic Practices: Do not get in eyes, on skin or on clothing. Wash thoroughly after handling.