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Safety Data Sheet: Permalac Clear Satin

Section 1: Identification

Product Name:	Permalac Clear Satin
Manufacturer's Name:	Peacock Laboratories
Address	1901 S. 54th Street
City, State, Zip	Philadelphia, PA, 19143
Phone Number	215 729 4400
Emergency Contact	215 729 4400
Chemtrec	800 424 9300

Recommended Use: An exterior grade, non yellowing, clear acrylic lacquer for the protection of metal, wood, and masonry.

Section 2: Hazard Identification

US OSHA HAZARD COMMUNICATION STANDARD: Product assessed in accordance with OSHA 29 CFR 1910.1200 and determined to be hazardous.

EFFECTS OF OVEREXPOSURE: Respiratory irritation, dizziness, nausea, loss of consciousness, possible reproductive effects, cardiac sensitization. Headache, nausea, fatigue, giddiness, fainting, weakness, loss of coordination and other central nervous system effects. Central nervous system depression may result at levels approaching 10,000 ppm. Irritation to the eyes and respiratory tract at levels above 200 ppm. Skin irritation. Prolonged repeated skin contact may cause skin irritation and/or dermatitis.

EMERGENCY RESPONSE DATA: Colorless Liquid. Extremely flammable. Vapor accumulation could flash and/or explode if in contact with open flame. DOT ERG No. : 130



Section 3: Composition/Information on Ingredients

Hazardous Ingredients

Name	CAS number	OSHA PEL	ACGIHTLV	% by weight
Toluene:	108-88-3	200.00	200 ppm TWA	<85%
N-Butyl Acetate	123-86-4	150.00	150 ppm TWA	<5%

Physical Properties

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: First-Aid Measures

EYE CONTACT: Flush thoroughly with water. If irritation occurs, call a physician.

SKIN CONTACT: Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse.

INHALATION: Remove from further exposure. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with bag-valve-mask device or use mouth-to-mouth resuscitation.

INGESTION: Seek immediate medical attention. Do not induce vomiting.

NOTE TO PHYSICIANS: Material if aspirated into the lungs may cause chemical pneumonitis. Treat appropriately.

Section 5: Fire Fighting Measures

Flash Point: 45F **Method Used:** Setaflash 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 firefighting 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 6: Accidental Release Measures

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 7: Handling and Storage

HANDLING: Avoid inhalation of vapors or mists. Use in well ventilated area away from all ignition sources. Avoid sparking conditions. Ground and bond all transfer equipment.

STORAGE: Store and handle in accordance with all current regulations and standards. Subject to storage regulations: U.S. OSHA 29 CFR 1910.106.

Section 8: Exposure Controls/Personal Protection

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.

Section 9: Physical and Chemical Properties

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

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Section 10: Stability and Reactivity

STABILITY (THERMAL, LIGHT, ETC.): Stable at normal temperatures and pressure.

CONDITIONS TO AVOID: Heat, sparks, flame and build up of static electricity.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers, bases, acids, reducing agents, metals, halogens.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon, hydrocarbons.

HAZARDOUS POLYMERIZATION: Will not occur.

Section 11: Toxicological Information

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 12: Ecological Information

Toluene: Ecotoxicity: LC50 in salmon: 8110 ug/L at 96 hours; EC50 in Daphnia magna: 6000 ug/L at 48 hrs; EC50 green algae: 9400ug/L at 8 hrs.

Mobility: Water solubility: 500 mg/L @ 20C.

Persistence and Degradability: Readily biodegradable.

Bioaccumulative Potential: Bioconcentration factor (BFC) <100.

N-Butyl Acetate: Ecotoxicity: LC50 in flathead minnow: 96h mg/l; EC50 in Daphnia magna: 48h mg/l; EC50 in algae (*Scenedesmus subspicatus*): 6747*** mg/l (72h)***

Section 13: Disposal Consideration

Waste Disposal: All notification, clean-up and disposal should be carried out in accordance with federal, state, and local regulations. Preferred methods of waste disposal are incineration or biological treatment in federal/state approved facility.

Section 14: Transportation Information

Proper Shipping Name: Paint

Hazard Class: Flammable, PG II

Label: Flammable UN 1263

Section 15: Regulatory Information

NA

Section 16: Other Information