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## Safety Data Sheet: **Permalac Original (Satin)**

### Section 1: Identification

Product Name: Permalac Original Clearcoat Satin  
Manufacturer's Name: Peacock Laboratories  
Address: 1901 S. 54th Street  
City, State, Zip: Philadelphia, PA, 19143  
Phone Number: (215)-729-4000  
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**Recommended Use:** An exterior grade, non-yellowing, clear acrylic lacquer for the protection of metal, wood, and masonry.

### Section 2: Hazards Identification

#### *2.1 Classification of the Substance or Mixture*

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Flammable liquids (Category 2), H225

Skin irritation (Category 2), H315

Reproductive toxicity (Category 2), H361

Specific target organ toxicity-single exposure (Category 3), Central Nervous System,

H336 Specific target organ toxicity-repeated exposure (Category 2), H373 Aspiration hazard (Category 1), H304

Acute aquatic toxicity (Category 2), H401

For the full text of the H-Statements mentioned in this section, see Section 16.

#### *2.2 Label Elements*

## Hazard Pictograms (GHS-US)



**Signal Word (GHS-US):** Danger

### **Hazard Statements (GHS-US):**

**H225:** Highly flammable liquid and vapor.

**H304:** May be fatal if swallowed and enters airways.

**H315:** Causes skin irritation.

**H336:** May cause drowsiness or dizziness.

**H361:** Suspected of damaging fertility or the unborn child.

**H373:** May cause damage to organs through prolonged or repeated exposure.

**H401:** Toxic to aquatic life.

### **Precautionary Statements**

#### **[Prevention]**

**P201:** Obtain special instructions before use.

**P202:** Do not handle until all safety precautions have been read and understood.

**P210:** Keep away from heat/sparks/open flames/hot surfaces. No smoking.

**P233:** Keep container tightly closed.

**P240:** Ground/bond container and receiving equipment.

**P241:** Use explosion-proof electrical/ventilating/lighting/equipment.

**P242:** Use only non-sparking tools.

**P243:** Take precautionary measures against static charge.

**P260:** Do not breathe dust/fumes/gas/mist/vapors/spray.

**P264:** Wash thoroughly after handling.

**P271:** Use only outdoors or in a well-ventilated area.

**P273:** Avoid release to the environment.

**P280:** Wear protective gloves/clothing/eye protection/face protection.

**[Response]**

**P301+310:** *IF SWALLOWED*, immediately call a POISON CENTER or doctor/physician.

**P303+P361+P353:** *IF INHALED*, move the person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

**P308+ P313:** *IF EXPOSED OR CONCERNED*, seek medical advice/attention.

**P331:** DO NOT induce vomiting.

**P332 +P313:** If skin irritation occurs, seek medical advice/attention.

**P362:** Remove contaminated clothing and wash before reuse.

**P370+P378:** In case of fire, use dry sand, dry chemical or alcohol-resistant foam to extinguish.

**[Storage]**

**P403+P233:** Store in a well-ventilated place. Keep container tightly closed.

**P403+P235:** Store in a well-ventilated place. Keep cool.

**P405:** Store locked up.

**[Disposal]**

**P501:** Dispose of contents/container in accordance with local/national regulations.

*2.3 Other Hazards*

No additional information.

**Section 3: Composition/Information on Ingredients**

<b>Name</b>	<b>CAS #</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>	<b>% by Weight</b>
Toluene	108-88-3	200.00	200 ppm TWA	<85%
Acrylic Resin	NA	NA	NA	<15%
n-Butyl Acetate	123-86-4	150.00	150 ppm TWA	<2%

Methanol	67-56-1	NA	NA	<.3%
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#### **Section 4: First Aid Measures**

##### *4.1 Description of first aid measures*

**GENERAL:** In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

**INHALATION:** Move to fresh air, and keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

**EYES:** Remove contact lenses if wearing them, and/or irrigate eyes copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

**SKIN:** Remove contaminated clothing. Wash skin thoroughly with soap and water, or use a recognized skin cleanser.

**INGESTION:** If swallowed, wash out mouth with water, and obtain immediate medical attention. Keep at rest. Do **NOT** induce vomiting. If vomiting occurs, keep head below hips to prevent aspiration into lungs.

**\*NOTE TO PHYSICIANS:** If aspirated into the lungs, material may cause chemical pneumonitis. Please treat appropriately.

#### **Section 5: Fire Fighting Procedures**

**Flash Point:** 45°F (Method Used: Setaflash closed cup)

**Flammable Limits in Air % by Volume:**

- UEL: 12.5%
- LEL: 1.0%
- Auto-Ignition Temperature: N/A

**Extinguisher Media:** Dry chemical, carbon dioxide, foam, water spary.

**Special Fire Fighting Procedures:** Use an 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 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 a 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/Spilled:** In case of spillage, absorb with inert material and dispose of in accordance with 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 & Storage

**HANDLING:** Avoid inhalation of vapors or mist. Use in a 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:** 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 and after application, unless air monitoring records vapor/mist levels below applicable limits. Follow respirator manufacturer's 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 cream where skin contact is likely. Remove and wash contaminated clothing before reuse.

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

### Section 9: Physical and Chemical Properties

**Boiling Point:** 231-350°F

**Melting Point:** Not available

**Specific Gravity (water = 1):** Not available

**Vapor Pressure (mm Hg):** Toluene-22.0; n-Butyl acetate-14.0

**Vapor Density (air = 1):** Is heavier than air

**Volatility by Weight:** 84.9%

**Volatility by Volume:** 88.0%

**VOC:** Not more than 6 lbs/gal, or 720 g/l

**% Solids:** Not available

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

### Section 10: Stability and Reactivity Data

**Stability:** Stable at normal temperatures/pressure.

**Incompatibility (Materials to Avoid):** Strong oxidizers, bases, acids, reducing agents, metals, and halogens.

**Hazardous Decomposition Products:** Oxides of carbon and hydrocarbons.

**Hazardous Polymerization:** Will not occur under normal conditions.

**Conditions to Avoid:** Heat, flames, sparks, and build-up of static electricity.

### Section 11: Toxicological Information

**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 and inhaling the 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 on *Daphnia magna*, 6000 ug/L at 48 hours; EC50 green algae, 9400 ug/L at 8 hours.

**n-Butyl Acetate:** Ecotoxicity- LC50 in fathead minnow, 96h mg/l; EC50 in *Daphnia magna*, 48h mg/l; EC50 in algae (*Scenedesmus subspicatus*), 6747 mg/l (72h) **Mobility:** Water solubility, 500 mg/L at 20C.

**Persistence and Degradability:** Readily biodegradable.

**Bioaccumulative Potential:** Bioconcentration factor (BFC) <100.

**Aquatic Toxicity:** Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment. Spills may form a film on water surfaces, causing physical damage to organisms. Oxygen transfer could also be impaired.

### **Section 13: Disposal Considerations**

**Product Disposal:** Dispose of in accordance with all applicable federal, state, and local environmental control regulations. Preferred methods of waste disposal are incineration or biological treatment in a federal or state-approved facility.

**Section 14: Transport Information**

**Proper Shipping Name:** Paint

**Label:** Flammable UN 1263

**Hazard Class:** Flammable

**PG:** II

**Section 15: Regulatory Information**

**OSHA Hazards:** Flammable liquid, toxic by inhalation.

**SARA 302 Components:** SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components:** SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards:** Fire Hazard, Acute Health Hazard

**California Prop. 65 Components:** This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

**Section 16: Other Information**

Full text of H-Statements referred to under sections 2 and 3.

Aquatic Acute, aquatic toxicity.

Asp. Tox., Aspiration hazard.

Flam. Liq., Flammable liquids.

H225, Highly flammable liquid and vapour.

H304, May be fatal if swallowed and enters airways.

H315, Causes skin irritation.

H336, May cause drowsiness or dizziness.

H361, Suspected of damaging fertility or the unborn child.

H373, May cause damage to organs through prolonged or repeated exposure.

H401, Toxic to aquatic life.

Repr., Reproductive toxicity.

Skin Irrit., Skin irritation.



### HMIS Rating Health Hazard(s)

Chronic Health Hazard: 2

Flammability: 3

Physical Hazard: 0

NFPA Health Hazard: 2; intense or continued but not chronic exposure could cause temporary incapacitation or residual injury.

NFPA Fire Hazard: 3; liquids or solids that can be ignited under almost all conditions.

NFPA Reactivity: 1; Normally stable, but can become unstable at elevated temperatures and pressures, or may react with water with some release of energy but not violently.



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