

## 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: Hazards Identification

#### Section 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.

#### Section 2.2 Label Elements

Hazard Pictograms (GHS-US)



Signal word (GHS-US)

:Danger

Hazard Statements (GHS-US):

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.

Precautionary Statements

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 discharge.

P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.

P264 Wash skin thoroughly after handling.

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

P273 Avoid release to the environment.

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

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304 + P340 + P312 IF INHALED: Remove 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: Get medical advice/ attention.

P331 Do NOT induce vomiting.

P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P362 Take off contaminated clothing and wash before reuse.

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

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.

P501 Dispose of contents/ container to an approved waste disposal plant.

**Section 2.3 Other Hazards**

No additional information

**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%
Acrylic Resin	NA	NA	NA	<15%
N-Butyl Acetate	123-86-4	150.00	150 ppm TWA	<2%
Methanol	67-56-1			<.3

**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 lbs/gal. Or 720 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: 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 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 lbs/gal. Or 720 g/l

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

### **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**

### **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 State of California to cause cancer, birth defects, or any other reproductive harm.

## **SECTION 16: OTHER INFORMATION**

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

Aquatic Acute 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:

2 Chronic Health Hazard: \* 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 temperature and pressures or may react with water with some release of energy but not violently.



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