Peacock Laboratories, Inc.
1901 S. 54th Street
Philadelphia, PA 19143

SAFETY DATA SHEET

Permalac Original (Satin) Aerosol

Section 1: Identification

Product Name:	Permalac Original Clearcoat Satin Aerosol
Manufacturer's Name:	Peacock Laboratories
Address:	1901 S. 54th Street
City, State, Zip:	Philadelphia, PA, 19143
Phone Number:	215-729-4000
Emergency Contact:	215-729-4000
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

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: 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 ON SKIN OR HAIR, take off immediately all contaminated clothing. Rinse skin well with water, or shower.

P304+P341: IF INHALED, if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

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**

Name	CAS#	% by Weight	Hazardous?
Toluene	108-88-3	<50%	Yes
Xylene	1330-20-7	<35%	Yes
Propane	74-98-6	<4%	Yes
Isobutene	75-28-5	<2%	Yes
Acrylic Resin	-	9%	No

Please note, exact percentages of composition are being withheld as a trade secret.

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: Toluene 43°F, Xylene 81°F (Method Used: Closed cup)

Flammable Limits in Air % by Volume:

- Toluene - lower limit: 1.2%; upper limit: 7%
- Xylene - lower limit: 1.9%; upper limit: 12.3%

Extinguisher Media: Dry chemical, carbon dioxide, or foam.

Special Fire Fighting Procedures: Use an 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 sources 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

Steps to be Taken In Case Material is Released/Spilled: Ventilate area of leak or spill. Remove **all** sources of ignition. Contain and recover liquid when possible. Use non-sparking tools and equipment. In case of spillage, absorb inert material (such as vermiculite, dry sand, or earth) and place in a waste chemical container and dispose of in accordance with regulations of EPA and other local, state, and federal authorities. Do not use combustible materials such as sawdust. Do not flush to sewer. If a leak or spill has not ignited, use water spray to disperse the vapors, to protect personnel attempting to stop leak, and to flush spills away from exposures. US regulations require reporting spills and releases to water, soil and water in excess of reportable quantities.

Section 7: Handling & Storage

HANDLING: All equipment used when handling this product must be grounded. Empty containers may retain hazardous properties and can be dangerous. Avoid prolonged skin contact. DO NOT breathe spray mist.

STORAGE: Store in a cool, dry, well-ventilated place away from heat, sparks, and open flame(s).

Section 8: Exposure Controls/Personal Protection

Engineering Controls: Both local exhaust and good general room ventilation must be provided, not only to control exposure but also to prevent the formation of flammable mixtures.

Respiratory Protection: A respiratory protection program that meets OSHA's 29 CFR 1910.134 or ANSI Z88.2 requirements must be followed whenever workplace conditions warrant respirator use.

Protective Gloves: Chemical-resistant gloves, such as butyl rubber, nitrile or teflon.

Eye Protection: Wear splash goggles when eye contact due to splashing or spraying liquid is possible.

Other Protective Clothing or Equipment: Depending on the conditions of use, protective gloves, apron, boots, head/face protection should be worn. The equipment should be thoroughly cleaned after each use.

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

Section 9: Physical and Chemical Properties

Appearance and Odor: Clear liquid, sweet odor

Boiling Point: Not available

Melting Point: Not available

Specific Gravity (water = 1): Not available

Vapor Pressure (mm Hg): Acetone 181, T-BAc 34

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

Volatility by Weight: 97%

VOC: <720 g/l

% Solids: 3%

*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.

Incompatibility (Materials to Avoid): Plastics, acids, alkalines, nitrates, strong oxidizing agents.

Hazardous Decomposition Products: Acetone and T-BAc both generate carbon dioxide and carbon monoxide upon thermal decomposition.

Hazardous Polymerization: Will not occur under normal conditions.

Conditions to Avoid: Heat, flames, ignition sources, sparks, incompatibles.

Section 11: **Toxicological Information**

Routes of Entry: Absorbed through skin, dermal contact, eye contact, inhalation, ingestion.

Toxicity to Animals: WARNING! THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE.

Acute oral toxicity (LD50): 636 mg/kg (Rat).

Acute dermal toxicity (LD50): 14100mg/kg (Rabbit).

Acute toxicity of the vapor (LC50): 440 24 hours (Mouse).

Chronic Effects on Humans: CARCINOGENIC EFFECTS- A4 (not classifiable for humans or animals) by ACGIH, 3 (not classifiable for humans) by IARC.

****May cause damage to the following:** blood, kidneys, the nervous system, liver, brain, central nervous system (CNS).

Other toxic effects on humans: hazardous in case of skin contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (permeator).

Special remarks on toxicity to animals:

Lowest Published Lethal Dose (LDL) (Human)-Route: Oral; Dose: 50 mg/kg

LCL (Rabbit)-Route: Inhalation; Dose: 55000 ppm/40min

Special remarks on chronic effects on humans: Detected in maternal milk in humans. Passes through the placental barrier in humans. Embryotoxic and/or fetotoxic in animals. May cause adverse reproductive effects and birth defects (teratogenic). May affect genetic material (mutagenic).

Xylene:

Acute Oral Toxicity: Low toxicity: LD50 >2000 mg/kg, Rat

Aspiration into lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.

Acute Dermal Toxicity: Low toxicity: LD50 >2000 mg/kg, Rabbit

Acute Inhalation Toxicity: Low toxicity: LC50 >20mg/0.25-hour, Rat

High concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea; continued inhalation may result in unconsciousness and/or death.

Skin Irritation: Irritating to skin.

Eye Irritation: Moderately irritating to eyes (but insufficient to classify).

Respiratory Irritation: Inhalation of vapors or mist may cause irritation to the respiratory system.

Sensitization: Not a skin sensitizer.

Mutagenicity: Not mutagenic.

Reproductive Toxicity: Does not impair fertility.

Carcinogenicity: Mixed xylenes contain ethylbenzene, which has shown limited evidence of a carcinogenic effect.

Repeated Dose Toxicity: Central nervous system-repeated exposure affects the nervous system. Effects were seen at high doses only.

Respiratory System: Repeated exposure affects the respiratory system. Effects were seen at high doses only.

Visual System: May cause decreased color perception. These subtle changes have not been found to lead to functional color vision deficits.

Auditory System: Prolonged and repeated exposures to high concentrations have resulted in hearing loss in rats. Solvent abuse and noise interaction in the work environment may cause hearing loss.

Additional Information: Exposure to very high concentrations of similar materials has been associated with irregular heart rhythms and cardiac arrest.

Section 12: **Ecological Information**

Mobility: Spillages may penetrate the soil, causing groundwater contamination. This material may accumulate in sediments.

Persistence and Degradability: No data available.

Bioaccumulative Potential: Potentially bioaccumulate.

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. This product may produce hazardous vapors in a closed disposal container creating a dangerous environment. Refer to "40 CFR Protection of Environmental Protection Agency" before disposing of any chemicals. Do not flush sanitary sewers or waterways.

Section 14: **Transport Information**

Proper Shipping Name: Paint

ID No.: UN 1263

Hazard Class: 3, 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 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.

Repr., Reproductive toxicity.

Skin Irrit., Skin irritation.

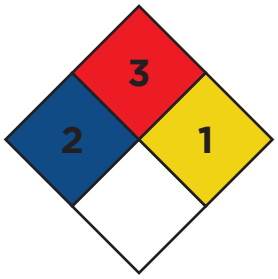
HMIS Rating Health Hazard(s):

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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