

Safety Data Sheet: Permalac EF Clear Matte

Section 1: Identification

Product Name:	Permalac EF Clear Matte
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

Routes of Exposure: Inhalation, eye, skin

Signs and Symptoms of Exposure: High vapor concentrations may produce narcosis or anesthetic effect leading to death. 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. Intentional misuse by deliberately concentrating & inhaling contents may be harmful or fatal.

Hazard Rating: Health 2, Flammability 3, Reactivity 1
(Scale: 4 BExtreme, 3-High, 2BModerate, 1-Slight, 0-Insignificant)

Section 3: Composition

	CAS Number	Weight %	Hazardous?
Tert-Butyl Acetate	123-86-4	< 64%	Yes
Toluene:	108-88-3	< 16%	Yes
Acetone	67-64-1	< 10%	Yes
Methanol	67-56-1	<1%	Yes
Acrylic Resin		9%	No

Section 4: First Aid Measures

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

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

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

Ingestion: DO NOT INDUCE VOMITING. Get medical attention immediately If vomiting occurs, keep head below hips to prevent aspiration into lungs.

Section 5: Fire Fighting Procedures

Flammable liquid and vapor. 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.

Flash Point: Acetone 1.4, TBAC 39.9 F(closed cup)

Flammable Limits in Air % by Volume: Acetone lower limit 2.5%, upper limit 12.8%

TBAC lower limit 1.26%, upper limit 6.88%

Extinguisher Media: Dry chemical, carbon dioxide, or 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.

Section 6: Accidental Release Measures

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 with inert material(such as vermiculite, dry sand, or earth) and place in a waste chemical container and dispose of in accordance regulations of EPA and other local, state, and federal authorities. . Do not use combustible materials such as saw dust. 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

Store in a cool, dry well-ventilated location, away from heat, sparks and open flame. 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 breath spray mist. .

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: 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 formation of flammable mixtures.

Personal Protection

Inhalation: 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.

Skin: Wear chemical resistant gloves such as: Butyl rubber. Nitrile. or Teflon. Depending on the conditions of use, protective gloves, apron, boots, head and face protection should be worn. The equipment must be cleaned thoroughly after each use.

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

Tert-Butyl Acetate

US (ACGIH) / 2003 200 ppm 8 HRS/TWA No

US (OSHA) / 2001 200 ppm

950 mg/m³ 8 HRS/TWA No

Section 9. Physical & Chemical Properties

Appearance and Odor: Clear liquid with sweet odor.

Boiling Point: N/A[Type text]

Specific Gravity (water=1): N/A

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

Vapor Density (Air=1): N/A, Is heavier than air.

Solubility in Water: Slight Reactivity in Water: None

Melting Point: N/A

VOC:<170 g/l

Volatile (Weight %): 88.7

% Solids= 10%

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

Section 10: Stability & Reactivity

Stability: Stable

Incompatibility (Materials to Avoid): Plastics, acids, alkalies, nitrates, and strong oxidizing agents. Avoid contact with heat, flames and sparks.

Hazardous Decomposition Products: Acetone and TBAC 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 and incompatibles.

Section 11: Toxicological Information

TBAC: Oral rat LD50 4500 mg/Kg; skin rabbit LD50: >2000 mg/Kg; inhalation rat LC50: >4000ppm/6 hours
TBAC is included in TSCA inventory in the US, DSL in Canada, IECS in China, and EINECS,ELINCS and NLP inventories of EU.

Chemical Listed as Carcinogen or Potential Carcinogen:

National Toxicology Program: No

I.A.R.C. Monographs: No

OSHA: No

Section 12: Ecological Information

Mobility: Spillages may penetrate the soil causing ground water 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 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 to sanitary sewer or waterway.

Section 14: Transport Information

Proper Shipping Name: Paint

ID No: UN 1263

Hazard Class: 3

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

Section 16: Other Information

Date of last Revision: 7/18/2013

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