



Peacock Laboratories, Inc  
1901 S. 54th Street  
Philadelphia, PA 19143  
Tel.: 215-729-4400  
Fax: 215-729-1380  
[www.peacocklabs.com](http://www.peacocklabs.com)

## Safety Data Sheet: **Permalac Black Tint**

### Section 1: Identification

Product Name: Permalac Black Tint  
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:** A tint additive for Permalac products.  
Use with the PChrome system to change the color of the silver layer.  
Compatible with Permalac 1K as well.

### 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 3), H226

Acute toxicity, Inhalation (Category 4), H332

Skin irritation (Category 2), H315

Eye irritation (Category 2A), H319

Carcinogenicity (Category 2), H351

Specific target organ toxicity-single exposure (Category 3), Respiratory system,

H335 Specific target organ toxicity-repeated exposure (Category 2), H373

Specific target organ toxicity-repeated exposure, Inhalation (Category 2), Central Nervous System, Liver, Kidney, H373

Aspiration hazard (Category 1), H304

Acute aquatic toxicity (Category 2), H401

Chronic aquatic toxicity (Category 3), H412

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):**

**H226:** Flammable liquid and vapor.

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

**H315:** Causes skin irritation.

**H319:** Causes serious eye irritation.

**H332:** Harmful if inhaled.

**H335:** May cause respiratory irritation.

**H351:** Suspected of causing cancer.

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

**H373:** May cause damage to organs (Central Nervous System, liver, kidney) through prolonged or repeated exposure if inhaled.

**H401:** Toxic to aquatic life.

**H412:** Harmful to aquatic life with long-lasting effects.

**[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 discharge.

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

#### **[Response]**

**P301 + P310:** IF SWALLOWED, immediately call a POISON CENTER or doctor/ physician.

**P303 + P361 + P353:** IF ON SKIN/HAIR, take off all contaminated clothing immediately.

Rinse skin with water or shower.

**P304 + P340 + P312:** IF INHALED, move the person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

**P305 + P351 + P338:** IF IN EYES, rinse cautiously with water for several minutes. Remove contact lenses if present. Continue rinsing.

**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.

**P337 + P313:** If eye irritation persists, get medical advice/attention.

**P362:** Take off contaminated clothing and wash before reuse.

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

#### **[Storage]**

**P403+233:** Store in a well-ventilated place. Keep container tightly closed.

**P403+235:** Store in a well-ventilated place. Keep cool.

**P405:** Store locked up.

**[Disposal]**

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

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

Name	CAS #	% by Weight	ACGIH TLV	OSHA PEL
Xylene	1330-20-7	< 85%	100 ppm TWA, 150 ppm STEL	100 ppm TWA, 150 ppm STEL
Carbon Black	1333-86-4	< 2%	3.5 mg/m <sup>3</sup>	3.5 mg/m <sup>3</sup>
Methyl Ethyl Ketone	78-93-3	< 8%	200 ppm	200 ppm
Diacetone Alcohol	123-42-2	< 4%	50 ppmpp,	50 ppm

**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:** Irrigate 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. Launder contaminated clothing before reuse.

**INGESTION:** If swallowed, wash out mouth with water, and obtain immediate medical attention. Keep at rest. Do **NOT** induce vomiting.

**\*Note to Physician(s):** Material if aspirated into lungs can cause chemical pneumonitis. Treat appropriately.

## Section 5: Fire and Explosion Data

**Flash Point:** Flammable-0 per dot 49 CFR 173.115: 40°F (4°C) ASTM D56

**Method Used:** TCC

**Flammable Limits in Air % by Volume:** LEL .9%

**Auto-Ignition Temperature:** Approximately 249°C (480°F) ASTM D2155

**Extinguisher Media:** Fog, dry chemical, carbon dioxide, foam

**Special Fire Fighting Procedures:** Wear self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode when fighting fires. Water *may* be used to cool containers. If water is used, fog nozzles are preferred.

**Unusual Fire and Explosive Hazards:** *Never* use welding or cutting torch on or near drum, even empty, because product, even residue, can ignite explosively. All five gallon or larger metal containers (including tank cars and tank trucks) should be grounded and/or bonded when material is transferred.

Vapors are heavier than air and may travel along the ground, or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point.

## Section 6: Accidental Release Measures

### *6.1 Personal Precautions & Storage*

Store away from heat, sparks, and open flame(s). Vapors are heavier than air and may travel along the ground toward ignition sources.

Avoid prolonged skin contact.

Do not breathe spray mist.

Store in a cool, dry area with ventilation suitable for storing materials (see Section 2).

### *6.2 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.

### *6.3 Steps to Take In Case Material is Released/Spilled*

In the case of small spills, absorb with inert material (such as vermiculite) and dispose of in accordance with regulations of E.P.A. and other local, state, and federal authorities.

In the case of larger spills, eliminate all ignition sources from the area. Persons not wearing protective equipment should exit the area until clean-up is complete.

Stop spill at source. Prevent material from entering drains, sewers, streams, or other bodies of water. If runoff occurs, notify authorities as required.

Pump or vacuum transfer spilled product to clean container for recovery.

Absorb unrecoverable material. Dispose of contaminated absorbent material according to regulations.

**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: Accidental Release Measures

**HANDLING:** Avoid inhalation of vapors or mists. 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

**Physical State:** Liquid

**Odor:** Solvent odor

**Color:** Clear

**Boiling Point:** 82-86°F

**Melting Point:** -31°F

**Critical Temperature:** Not established

**Specific Gravity:** Approx. 0.87 @ 60°F

**Vapor Pressure:** Approx. 0.8 (n-Butyl Acetate = 1)

**Vapor Density:** Not available

**Stability:** Stable under normal conditions

**Conditions to Avoid:** High heat (contains organic solvents)

**Incompatibility/Materials to Avoid:** Strong acids or bases, oxidizing agents, halogens, molten sulfur

**Hazardous Polymerization:** Will not occur

**Hazardous Decomposition:** By high heat and fire-carbon dioxide, carbon monoxide

**Solubility:** Negligible

### Section 10: Stability and Reactivity Data

**Stability:** Stable

**Incompatibility (Materials to Avoid):** Strong oxidizing agents, contact with heat, flames, sparks

**Hazardous Decomposition Products:** May form toxic materials, carbon dioxide, carbon monoxide, hydrocarbons

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

**Conditions to Avoid:** High heat

## Section 11: Toxicological Information

### *11.1 Signs and Symptoms of Exposure*

**EYES:** Exposure to liquid or vapor may cause mild eye irritation. Symptoms may include stinging, tearing, and redness.

**SKIN:** Exposure may cause mild skin irritation. Prolonged or repeated exposure may dry the skin. Symptoms may include redness, burning, drying, cracking, and burns. Skin absorption is possible, but harmful effects are not expected from this route of exposure under normal conditions of handling/use.

**INHALATION:** Exposure to vapor or mist is possible. Short-term inhalation toxicity is low. Breathing small amounts during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms are more typically seen at air concentrations exceeding the recommended exposure limits. Symptoms may include irritation of the nose, throat, and respiratory tract. Central nervous system effects such as dizziness, drowsiness, weakness, fatigue, nausea, headache, and unconsciousness are possible.

**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 and inhaling the contents may be harmful or fatal. Skin contact may aggravate existing dermatitis.

*Chemical Listed as Carcinogen or Potential Carcinogen*

National Toxicology Program: N/A

I.A.R.C. Monographs: N/A

OSHA: N/A

## Section 12: Ecological Information

*Xylene*

CAS No.: 1330-20-7

OSHA: .100 ppm TWA, 150 ppm STEL

ACGIH: 100 ppm TWA, 150 ppm STEL



*Ethyl Benzene*

CAS No.: 100-41-4

OSHA: .100 ppm TWA, 125 STEL

ACGIH: 100 ppm TWA, 125 STEL

**Section 13: Disposal Considerations**

**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 a federal/state-approved facility.

**Section 14: Transport Information**

**Proper Shipping Name:** Paint

**Hazard Class:** Flammable, PG II

**Label:** Flammable UN 1263

**Section 15: Regulatory Information**

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

**SARA 313 Components:** The following components are subject to reporting levels established by SARA Title III, Section 313:

Ethylbenzene CAS-No. 100-41-4 Revision Date 2007-07-01

Xylene 1330-20-7 1993-04-24

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

**Massachusetts Right To Know Components:**

Xylene CAS-No. 1330-20-7 Revision Date 1993-04-24

Ethylbenzene 100-41-4 2007-07-01

**Pennsylvania Right To Know Components:**

Xylene CAS-No. 1330-20-7 Revision Date 1993-04-24

Ethylbenzene 100-41-4 2007-07-01

**New Jersey Right To Know Components:**

Xylene CAS-No. 1330-20-7 Revision Date 1993-04-24

Ethylbenzene 100-41-4 2007-07-01

**California Prop. 65 Components: WARNING! This product contains a chemical known to the State of California to cause cancer.**

Ethylbenzene CAS-No. 100-41-4 Revision Date 2007-09-28

**Section 16: Other Information**

Full text of H-Statements referred to under Section 2.

Acute Tox., Acute toxicity

Aquatic Acute, Acute aquatic toxicity

Aquatic Chronic, Chronic aquatic toxicity

Asp.Tox., Aspiration hazard

Carc., Carcinogenicity

Eye Irrit., Eye irritation

Flam. Liq., Flammable liquids H225

Highly flammable liquid and vapor H226

Flammable liquid and vapor H304

May be fatal if swallowed and enters airways H315

Causes skin irritation H319

Causes serious eye irritation H332

Harmful if inhaled H335

May cause respiratory irritation H351

Suspected of causing cancer H373

May cause damage to organs through prolonged or repeated exposure if inhaled H401

Toxic to aquatic life H412

Skin Irrit, Skin irritation

STOT RE Specific target organ toxicity-repeated exposure

STOT SE Specific target organ toxicity-single exposure

HMIS Rating Health hazard: 2 Chronic Health Hazard: \* Flammability: 3 Physical Hazard 0  
NFPA Rating Health hazard: 2 Fire Hazard: 3 Reactivity Hazard: 0

**Date Updated: 11/30/2023 Good Through 11/30/2026**

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