

## 1. Identification

Product Identifier: **BC-4544 Pine Polyester Paste Part B**  
**BC-4544 Mahogany Polyester Paste Part B**

Product Code(s): BC4544P, BC4544M

Use: For Industrial/Professional use only.

Manufacturer: Polytek Development Corp.  
 2140 Earlywood Drive, Franklin, IN 46131

Phone Number: 610-559-8620 (8 a.m. to 6:30 p.m. EST)

Emergency Phone: CHEMTREC 800-424-9300 or  
 +1 (703) 527-3887

E-mail: [sds@polytek.com](mailto:sds@polytek.com)

## 2. Hazards Identification

### GHS Classification:

Flammable Liquid – Category 3  
 Acute Toxicity (Inhalation) – Category 4  
 Skin Irritation – Category 2  
 Eye Irritation – Category 2  
 Carcinogenicity – Category 1B  
 Reproductive Toxin – Category 1  
 Specific Target Organ Toxicity – Single Exposure Category 3  
 Specific Target Organ Toxicity – Repeat Exposure Category 1

### Label Elements: Warning



### Hazard Phrases:

H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H226 Flammable liquid and vapor.  
 H332 Harmful if inhaled.  
 H335 May cause respiratory irritation.  
 H336 May cause drowsiness or dizziness.  
 H350 May cause cancer.  
 H360 May damage fertility or the unborn child.  
 H372 Causes damage to organs through prolonged or repeated exposure.

### Precautionary Phrases:

P203 Obtain, read and follow all safety instructions before use.  
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  
 P240 Ground and bond container and receiving equipment.  
 P241 Use explosion-proof electrical and ventilating equipment.  
 P242 Use non-sparking tools.  
 P243 Take action to prevent static discharges.  
 P260 Do not breathe fumes, vapors or mists.  
 P264 Wash thoroughly after handling.  
 P270 Do not eat, drink or smoke when using this product.  
 P271 Use only outdoors or in a well-ventilated area.  
 P280 Wear protective gloves, protective clothing, and eye protection.

P302+P352 IF ON SKIN: Wash with plenty of water.  
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse affected areas with water.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P317 Get medical help.  
 P318 IF exposed or concerned, get medical advice.  
 P319 Get medical help if you feel unwell.

P332+P317 If skin irritation occurs: Get medical help.  
 P337+P317 If eye irritation persists: Get medical help.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
 P405 Store locked up.  
 P501 Dispose of contents/container in accordance with local, state, and federal regulations.

**Supplemental Information:** Read and understand the hazard information on Part A before using.

## 3. Composition/Information on Ingredients

Chemical Name	CAS #	%
Styrene	100-42-5	10-20
Ethanol	64-17-5	0-5
Toluhydroquinone	95-71-6	0-1

Exact concentrations are withheld as trade secret. Other ingredients are not classified as health, physical or environmental hazards, or are present below cut-off/concentration limits.

## 4. First-Aid Measures

**Eye Contact:** Rinse thoroughly with water holding the eyelids open to be sure the material is washed out. Get medical attention if irritation develops and persists.

**Skin Contact:** Take off contaminated clothing. Wash contact area thoroughly with soap and water. Get medical attention if irritation develops and persists. Wash contaminated clothing before reuse.

**Inhalation:** If breathing is difficult, remove person to fresh air. Get medical attention if you feel unwell.

**Ingestion:** Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if you feel unwell.

**Most Important Symptoms/Effects:** None known.

**Indication of Immediate Medical Attention/Special Treatment:** Not expected to be required.

## 5. Fire-Fighting Measures

**Extinguishing Media:** Carbon dioxide, dry chemical, foam.

**Specific Hazards:** Flammable liquid and vapor.

**Special Protective Equipment and Precautions for Fire-Fighters:** Wear SCBA & full-body protective suit.

## 6. Accidental Release Measures

### Personal Precautions, Protective Equipment and Emergency Procedures:

Use SCBA and chemically protective clothing. Clear unnecessary, unprotected personnel from the area.

**Methods and Materials for Containment and Cleanup:** Contain spill and prevent/minimize release to the environment. Collect with inert absorbent and containerize material for disposal.

## 7. Handling and Storage

**Safe Handling:** Avoid contact with skin. Do not breathe fumes, vapors or mists. Do not smoke, eat, or drink when using this product.

**Safe Storage:** Keep container tightly closed in a dry, well-ventilated area.

## 8. Exposure Controls/Personal Protection

**Occupational Exposure Limits:** For Styrene (CAS 100-42-5):

ACGIH TLV 20 ppm TWA, 40 ppm STEL  
 OSHA PEL 100 ppm TWA, 200 ppm (C)

For Ethanol (CAS 64-17-5):

OSHA PEL 100 ppm TWA

ACGIH TLV 20 ppm TWA, 1000 ppm STEL

**Ventilation:** Use with adequate general or local exhaust ventilation to minimize exposure levels.

**Respiratory Protection:** If needed, a NIOSH-approved respirator with organic vapor cartridges may be used. Respirator selection and use should be based on contaminant type, form and concentration. For higher exposures or in an emergency, use a supplied-air respirator.

**Skin Protection:** Wear impervious clothing and gloves, such as butyl rubber or nitrile rubber.

**Eye Protection:** Wear chemical safety glasses/goggles.

**Other Protective Measures:** An eye wash facility and washing facility should be available in the work area. Wash hands at the end of each work shift and before eating, smoking or using the toilet. Follow applicable regulations and good Industrial Hygiene practice.

## 9. Physical and Chemical Properties

**Appearance:** Liquid, color varies

**Odor:** No data available

**Odor Threshold:** No data available

**pH:** No data available

**Melting Point:** No data available

**Boiling Point:** Not data available

**Flash Point:** 87°F

**Evaporation Rate:** No data available

**Flammable Limits:** No data available

**Vapor Pressure:** No data available

**Vapor Density:** No data available

**Relative Density:** No data available

**Solubility:** No data available

**Partition Coefficient: n-octanol/Water:** No data available

**Auto-Ignition Temp:** No data available

**Decomposition Temp:** No data available

**Viscosity:** No data available

## 10. Stability and Reactivity

**Reactivity:** Not normally reactive.

**Chemical Stability:** Stable under recommended conditions.

**Possibility of Hazardous Reactions:** No data available

**Conditions to Avoid:** No data available

**Incompatible Materials:** Avoid strong acids, strong bases, and strong oxidizing agents.

**Hazardous Decomposition Products:** Carbon monoxide, Carbon dioxide (CO<sub>2</sub>), aldehydes, ketones, burning produces noxious and toxic fumes.

## 11. Toxicological Information

**Eye Contact:** Causes serious eye irritation.

**Skin Contact:** Causes skin irritation.

**Inhalation:** May cause mild respiratory irritation.

**Ingestion:** No data available.

**Chronic Health Effects:** Causes damage to organs from prolonged or repeated exposure.

**Acute Toxicity Values:** For Styrene (100-42-5):

Oral LD<sub>50</sub> (rat): 5,000 mg/kg

Dermal LD<sub>50</sub> (rabbit): >2,000 mg/kg

Inhalation LC<sub>50</sub> (rat): 11.8 mg/L, 4hr

**Germ Cell Mutagenicity:** No data available.

**Carcinogenicity:** Product contains Styrene (CAS 100-42-5) and Ethanol (CAS 64-17-5), chemicals that may cause cancer.

**Reproductive Toxicity:** Product contains Ethanol (CAS 64-17-5), a chemical that may damage fertility or the unborn child.

**Specific Target Organ Toxicity:** Causes damage to organs through prolonged or repeated exposure.

## 12. Ecological Information

**Ecotoxicity:** No data available. Do not release into waterways.

**Persistence and Degradability:** No data available.

**Bioaccumulative Potential:** No data available.

**Mobility in Soil:** Not expected to migrate.

## 13. Disposal Considerations

Dispose according to local, regional and national regulations.

## 14. Transport Information

**DOT:** UN1993, Flammable liquids, n.o.s (resin solution, ethanol solutions, styrene monomer stabilized, toluhydroquinone), 3, III, MARINE POLLUTANT

**IMDG:** UN1993, Flammable liquids, n.o.s (resin solution, ethanol solutions, styrene monomer stabilized, toluhydroquinone), 3, III, MARINE POLLUTANT

**IATA:** UN1993, Flammable liquids, n.o.s (resin solution, ethanol solutions, styrene monomer stabilized, toluhydroquinone), 3, III, MARINE POLLUTANT

**Emergency Shipping Information:** Call CHEMTREC, 800-424-9300 or +1-703-527-3887

## 15. Regulatory Information

**U.S. FEDERAL REGULATIONS:**

**CERCLA 103 Reportable Quantity:** RQ for Styrene (CAS 100-42-5) is 1000 lbs. RQ for Ethanol (CAS 64-17-5) is 1000 lbs. Some states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.

**SARA TITLE III:**

**Hazard Category for Section 311/312:** Acute and Chronic Health Hazard  
**Section 313 Toxic Chemicals:** Contains chemicals subject to SARA

Title III Section 313 Reporting requirements:

Styrene (CAS 100-42-5)

10-20%

**Section 302 Extremely Hazardous Substances (TPQ):** None

**EPA Toxic Substances Control Act (TSCA) Status:** All components are listed on TSCA.

**STATE REGULATIONS:**

**California Proposition 65: WARNING:** This product contains Styrene (CAS 100-42-5), a chemical known to the State of California to cause cancer and/or reproductive harm. [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## 16. Other Information

**Training Advice:** All personnel using/handling these products should be trained in proper chemical handling and the need for and use of engineering controls and protective equipment.

**Recommended Uses and Restrictions:** Intended for industrial or professional use only.

**SDS Revision Notes:** GHS format February 6, 2020.

**Disclaimer:** The information contained herein is considered accurate; however, Polytek® makes no warranty regarding the accuracy of the information. The user must determine the suitability of the product for the intended use and accepts all risk and liability associated with that use.