

**Poly-Plast™ 524****1. Identification****Product Name:** Poly-Plast™ 524**Item #:** 9335**Web SDS:** S85**Synonyms:** No information available**Recommended Use:** Laboratory chemicals.**Restrictions on Use:** No Information available**Manufacturer:**BBC Biochemical  
409 Eleanor Lane,  
Mount Vernon, WA 98273  
1-800-635-4477**In Case of Emergency:**Chemtec US 1-800-424-9300  
Chemtec International 703-527-3887**2. Hazards Identification****OSHA Hazard Classification(s):**Specific Target Organ Toxicity (single exposure) - Category 3  
Specific Target Organ Toxicity (repeated exposure) - Category 2**Signal Word:** Warning**Hazard Statement(s):** May cause respiratory irritation May cause damage to organs (kidney) through prolonged or repeated exposure**Pictogram(s):****Precautionary Statement(s):**

Prevention: Do not breathe dust/fume/gas/mist/vapors/spray Use only outdoors or in a well-ventilated area

Response: Get medical attention/advice if you feel unwell

Inhalation: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing Call a POISON CENTER or doctor/physician if you feel unwell

Storage: Store in a well-ventilated place. Keep container tightly closed Store locked up

Disposal: Dispose of contents/container to an approved waste disposal plant

**Descriptions of Hazards not otherwise classified:** Toxic to aquatic life with long lasting effects**Percent of mixture with unknown acute toxicity:** N/A**3. Composition and Information on Ingredients**

| Chemical Name                        | Common Name                   | CAS #      | Concentration % |
|--------------------------------------|-------------------------------|------------|-----------------|
| Paraffin waxes and Hydrocarbon waxes |                               | 8002-74-2  | 75-80           |
| 2, 6-Di-tert-butyl-p-cresol          |                               | 128-37-0   | 10-12           |
| Polyisobutylene                      |                               | 9003-27-4  | 1-2             |
| Benzene ethenylmethyl-,polymer       | With (1-methylethenyl)benzene | 9017-27-0  | 3-5             |
| Microcrystalline wax                 |                               | 63231-60-7 | 3-5             |

**4. First Aid Measures****Eye Contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.**Skin Contact:** Wash off immediately with plenty of water for at least 15 minutes.**Inhalation:** Move to fresh air.**Ingestion:** Do not induce vomiting.



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**Symptoms:** No information available.

**Recommendations for immediate medical care/special treatment:** Treat symptomatically

### 5. Fire- Fighting Measures

**Extinguishing Media:** Water spray. Carbon dioxide (CO<sub>2</sub>). Water.

**Fire Hazards (Chemical):** Flash Point 204.4 °C / 399.9 °F

**Special Protective Equipment:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Precautions for Firefighters:** Keep product and empty container away from heat and sources of ignition.

### 6. Accidental Release Measures

**Emergency Procedures:** Evacuate the area of all unnecessary personnel. Wear suitable protective equipment. Eliminate all sources of ignition and provide ventilation.

**Protective Equipment:** Ensure adequate ventilation.

**Environmental Precautions:** See Section 12 for additional ecological information. Avoid release to the environment. Collect spillage.

**Containment and Clean-Up Procedures:** Avoid dust formation. Sweep up or vacuum up spillage and collect in suitable container for disposal.

### 7. Handling and Storage

**Handling:** Ensure adequate ventilation.

**Storage:** Keep containers tightly closed in a dry, cool and well-ventilated place.

### 8. Exposure Controls/Personal Protection

**OSHA Permissible Exposure Limits (PELs):**

| Reagent                              | CAS #     | OSHA PEL TWA                        |
|--------------------------------------|-----------|-------------------------------------|
| Paraffin waxes and Hydrocarbon waxes | 8002-74-2 | (Vacated) TWA: 2 mg/m <sup>3</sup>  |
| 2,6-Di-tert-butyl-p-cresol           | 128-37-0  | (Vacated) TWA: 10 mg/m <sup>3</sup> |

**ACGIH Threshold Limit Values (TLVs):**

| Reagent                              | CAS #     | ACGIH PEL TLV            | ACGIH STEL |
|--------------------------------------|-----------|--------------------------|------------|
| Paraffin waxes and Hydrocarbon waxes | 8002-74-2 | TWA: 2 mg/m <sup>3</sup> | N/A        |
| 2,6-Di-tert-butyl-p-cresol           | 128-37-0  | TWA: 2 mg/m <sup>3</sup> | N/A        |

**Engineering Controls:** Use in a well ventilated area to prevent exposure. Maintain eyewash fountain and quick-drench facilities in work areas.

**Personal Protective Measures:**

**Eye/face Protection Wear:** appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin and body protection:** Wear appropriate protective gloves and clothing to prevent skin exposure.

**Respiratory Protection:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety practice.

**Special PPE Requirements:** If ventilation hood not available wear respirator.

### 9. Physical and Chemical Properties Section

**Appearance:** White, Solid



## Poly-Plast™ 524

**Molecular Weight:** N/A  
**Molecular Formula:** N/A  
**pH:** N/A  
**Boiling Point and Boiling Range:** 315.5 °C / 599.9 °F  
**Melting Point/Freezing Point:** 50-54 °C 122-129.2 °F  
**Flash Point:** 204.4 °C / 399.9 °F  
**Specific Gravity/Relative Density:** N/A  
**Odor:** Slight  
**Odor Threshold:** N/A  
**Color:** White  
**Flammability (solid/gas):** N/A  
**Vapor Density:** N/A  
**Upper/Lower flammability or explosive limits:** N/A  
**Vapor Pressure:** N/A  
**Evaporation Rate:** N/A  
**Partition Coefficient: n-octanol/water:** N/A  
**Viscosity:** N/A  
**Auto-ignition temperature:** N/A  
**Solubility:** N/A  
**Decomposition Temperature:** N/A

### 10. Stability and Reactivity

**Reactivity:** None known, based on information available  
**Chemical Stability:** Stable  
**Conditions of Stability/Instability:** Stable under normal conditions.  
**Stabilizers needed:** N/A  
**Safety issue indicated by appearance change:** N/A  
**Other:** N/A  
**Hazardous Reactions:** None under normal processing.  
**Hazardous Polymerization:** Hazardous polymerization does not occur.  
**Conditions to avoid:** Incompatible products.  
**Classes of Incompatible Materials:** Strong oxidizing agents  
**Hazardous Decomposition Products:** None under normal use conditions

### 11. Toxicological Information

#### Likely Routes of Exposure

**Eyes:** Irritation.  
**Skin:** Irritation.  
**Inhalation:** Dizziness, headache.  
**Ingestion:** Nausea.

**Signs or Symptoms of Exposure:** Nausea.

**Effects from short term exposure (delayed, immediate, chronic):** Irritation to the eyes, nose, throat; headache, dizziness, nausea.

#### Acute Toxicity (Numerical Measures):

Oral LD50 : Based on ATE data, the classification criteria are not met. ATE > 2000 mg/kg.  
Dermal LD50 : Based on ATE data, the classification criteria are not met. ATE > 2000 mg/kg.  
Mist LC50 : Based on ATE data, the classification criteria are not met. ATE > 5 mg/l.

Component: 2,6-Di-tert-butyl-p-cresol

**Poly-Plast™ 524**

LD50(oral, rat)=890mg/kg, LD50(oral, rat)=>2000mg/kg;  
LD50 Dermal=not listed;  
LD50 Inhalation=not listed

**Carcinogenicity (NTP, IARC, OSHA):** No ingredients are listed as carcinogens under IARC, NTP, ACGIH, OSHA, Mexico

**12. Ecological Information****Ecotoxicity:**

2,6-Di-tert-butyl-p-cresol:  
Freshwater Algae: EC50=0.758 mg/L 96h ; EC50=6 mg/L 72h  
Freshwater Fish: LC50=0.199mg/L 96h  
Microtox: EC50=7.82 mg/L 5min ; EC50=8.57 mg/L 15min ; EC50=8.98 mg/L 30min  
Water Flea: EC50>0.31mg/L 48h

**Persistence and degradability:** No information available

**Bioaccumulation Potential (octanol-water partition coefficient, BCF):** No information available

**Mobility in the soil:**

2,6-Di-tert-butyl-p-cresol: log Pow=4.17  
Microcrystalline wax: log Pow>6

**Adverse Environmental Effects:** N/A

**13. Disposal Considerations**

**Recommended Disposal Containers:** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

**Recommended Disposal Methods:** Do not dispose of in drains, check with your local waste authorities.\*

**Physical/Chemical Properties affecting Disposal:** See section 2 and section 9 applicable information.\*

**Special Precautions for Landfill and Incineration Activities:** Check with your local waste authorities.\*

**Waste Stream:** Consult your local or regional authorities.\*

**14. Transport Information**

**UN Number:** Not regulated

**UN Proper Shipping Name:**

**Transport Hazard Class(es):**

**Packing Group Number:**

**Environmental Hazards (IMDG code):**

**Marine Pollutant:**

**Transport in Bulk (IBC Code):**

**Special Transport Precautions:**

**15. Regulatory Information**

**OSHA:** N/A

**DOT:** Not regulated

**EPA:** N/A

**CPSC:** N/A



# Safety Data Sheet

## Poly-Plast™ 524

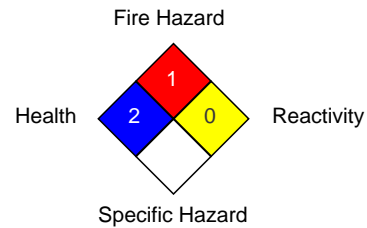
### 16. Other Information

Revision Date: 04/13/2015

#### NFPA

|                 |   |
|-----------------|---|
| Health          | 2 |
| Fire Hazard     | 1 |
| Reactivity      | 0 |
| Specific Hazard |   |

National Fire Protection Association (USA) NFPA



#### HMIS

|                     |   |
|---------------------|---|
| Health              | 2 |
| Flammability        | 1 |
| Physical Hazard     | 0 |
| Personal Protection |   |

Hazardous Material Information System HMIS

|                     |   |
|---------------------|---|
| Health              | 2 |
| Flammability        | 1 |
| Physical Hazard     | 0 |
| Personal Protection |   |

#### Notice to Reader:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.