

## Wonder Wax® Paraffin

### 1. Identification

**Product Name:** Wonder Wax® Paraffin

**Item #:** MER HWW, 9336

**Web SDS:** S84

**Synonyms:** No information available

**Recommended Use:** Laboratory chemicals.

**Restrictions on Use:** No Information available

**Manufacturer:**

**In Case of Emergency:**

BBC Biochemical  
409 Eleanor Lane,  
Mount Vernon, WA 98273  
1-800-635-4477

Chemtrec US 1-800-424-9300  
Chemtrec 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	80-85
2, 6-Di-tert-butyl-p-cresol		128-37-0	15-18
Polyisobutylene		9003-27-4	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.

**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 greater than 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:** Ensure adequate ventilation, especially in confined 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

**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:** 56-57 °C / 131-134.6 °F  
**Flash Point:** Greater than 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:** Insoluble in water  
**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  
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

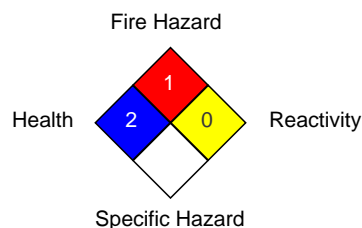
### 16. Other Information

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:

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