

## SAFETY DATA SHEET

### Section 1. Product And Company Identification

**Product Name:** Permlastic Base

**Product Use:** Dental product: Denture impression material.

**Manufacturer:** Kerr Corporation  
1717 W. Collins Ave.  
Orange, CA 92867-5422  
U.S.A.

Australian Supplier: **Kerr Australia Pty Limited**  
Unit 10, 112-118 Talavera Road  
North Ryde, NSW 2113  
Australia  
Telephone no.: 1 800 643 603  
Email general queries: [kavokerr.orders@kavokerr.com](mailto:kavokerr.orders@kavokerr.com)  
Email technical queries: [safety@kavokerr.com](mailto:safety@kavokerr.com)

**Information Phone Number:** 1-800-KERR-123 (in the US)

**Emergency Phone Number:** Poisons Information Helpline: 131126 (24 hours)

**SDS Date of Preparation/Revision:** March 11, 2020

### Section 2. Hazards Identification

**GHS Classification:**  
Reproductive Toxicity Category 1B

**Label Elements:**

**Danger!**



Hazard Phrases

H360 May damage fertility or the unborn child.

Precautionary Phrases

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P273 Avoid release to the environment.

P280 Wear protective gloves and eye protection.

P308+313 If exposed: Call a POISON CENTER or doctor/physician.

P405 Store locked up.

P501 Dispose of contents and container in accordance with local and national regulations.

### Section 3. Composition/Information on Ingredients

Component	CAS No.	Amount
Benzyl butyl phthalate	85-68-7	5-10%

### Section 4. First Aid Measures

**Inhalation:** Immediately remove victim to fresh air. Get medical attention if you feel unwell.

**Skin Contact:** Flush thoroughly with water. Get medical attention if irritation or symptoms of exposure develop. Remove and launder contaminated clothing before re-use.

**Eye Contact:** Rinse thoroughly with water. Get medical attention if irritation occurs and persists.

**Ingestion:** Do NOT induce vomiting. Rinse mouth with water. Never give anything by mouth to an unconscious or convulsing person. Keep the victim calm and warm. Get immediate medical attention.

**Most Important symptoms and effects, both acute and delayed:** May damage fertility or the unborn child.

**Indication of immediate medical attention and special treatment, if needed:** Immediate medical attention is required if large quantities have been ingested or inhaled.

### Section 5. Fire Fighting Measures

**Suitable (and Unsuitable) Extinguishing Media:** Use media appropriate for surrounding fire. Cool fire exposed containers with water.

**Specific Hazards Arising from the Chemical:** Combustion may produce carbon dioxide, carbon monoxide, sulfur oxides, halogenated compounds, and metal oxides.

**Special Protective Equipment and Precautions for Fire-fighters:** Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored. Cool fire-exposed containers with water. Contain water used in firefighting from entering sewers or natural waterways.

### Section 6: Accidental Release Measures

**Personal precautions, Protective equipment, and Emergency procedures:** Evacuate spill area and keep unprotected personnel away. Avoid contact with eyes, skin and clothing. Wear appropriate protective clothing and equipment. Do not breathe vapors.

**Environmental Precautions:** Avoid release to the environment. Report spill as required by local and federal regulations.

**Methods and Materials for Containment and Cleaning up:** Prompt cleanup and removal are necessary. Absorb spills with an inert material and place it in an appropriate waste disposal container.

## Section 7. Handling and Storage

**Precautions for Safe Handling:** Prevent contact with eyes, skin and clothing. Always wear impervious gloves, chemical safety goggles and protective clothing when handling this material. Wash thoroughly with soap and water after handling. Do not eat, drink or smoke in the work area. Do not breathe vapors. Use with adequate ventilation. Remove and wash contaminated clothing before reuse.

Empty containers retain product residues and may be hazardous. Do not flame cut, drill, weld, etc. on or near empty containers, even empty.

**Conditions for Safe Storage, Including any Incompatibilities:** Store in a cool, dry, well-ventilated area away from direct sunlight. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers.

## Section 8. Exposure Controls / Personal Protection

### Exposure Limits

Chemical	Exposure Limit
Benzyl butyl phthalate	None Established

**Appropriate Engineering Controls:** Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits.

**Respiratory Protection:** None under normal use conditions with adequate ventilation. For operations where the occupational exposure limits are exceeded, an approved respirator with a respirable dust cartridge or supplied air respirator is recommended. Equipment selection depends on contaminant type and concentration. Select in accordance with applicable regulations and good industrial hygiene practice. For firefighting, use self-contained breathing apparatus.

**Hand protection:** Impervious gloves such as butyl rubber or nitrile are recommended for operations which may result in prolonged or repeated skin contact.

**Eye Protection:** Splash proof goggles or safety glasses are recommended if eye contact is possible.

**Skin Protection:** Wear protective clothing if needed to avoid prolonged/ repeated skin contact. Contaminated clothing should be removed and laundered before re-use.

**Hygiene measures:** Suitable eye wash and washing facilities should be available in the work area.

## Section 9. Physical and Chemical Properties

<b>Appearance:</b>	White paste	<b>Odor:</b>	Sulfur
<b>Odor Threshold:</b>	Not available	<b>pH:</b>	Not available
<b>Melting/Freezing Point:</b>	Not available	<b>Boiling Point/Range:</b>	Not available
<b>Flash Point:</b>	Not flammable	<b>Evaporation Rate:</b>	Not available
<b>Flammability: (Solid, Gas)</b>	Not applicable	<b>Flammability Limits:</b>	LEL: Not applicable UEL: Not applicable

<b>Vapor Pressure:</b>	Not available	<b>Vapor Density:</b>	Not available
<b>Relative Density:</b>	Not available	<b>Solubilities:</b>	Insoluble in water
<b>Partition Coefficient: (N-Octanol/Water)</b>	Not available	<b>Autoignition Temperature:</b>	Not available
<b>Decomposition Temperature:</b>	Not available	<b>Viscosity:</b>	Not available

## Section 10. Stability and Reactivity

**Reactivity:** The product is not expected to be reactive.

**Chemical Stability:** Stable under normal storage and handling conditions.

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**Conditions to avoid:** Avoid excessive heat.

**Incompatible Materials:** Reducing materials.

**Hazardous decomposition products:** None if stored normally.

## Section 11. Toxicological Information

### Potential Health Effects:

**Inhalation:** None known.

**Skin Contact:** None known.

**Eye Contact:** None known.

**Ingestion:** None known.

**Chronic Hazards:** Suspected of damaging fertility.

**Skin corrosion/irritation:** This product is not expected to cause skin irritation.

**Eye damage/ irritation:** This product is not expected to cause eye irritation.

**Skin Sensitization:** This product is not expected to cause skin sensitization.

**Respiratory Sensitization:** No data available. This product is not expected to cause respiratory sensitization.

**Germ Cell Mutagenicity:** This product is not expected to cause mutagenicity.

**Carcinogen:** None of the components are listed as a carcinogen or potential carcinogen by IARC, NTP or the EU CLP.

**Developmental / Reproductive Toxicity:** No data available.

**Specific Target Organ Toxicity (Single Exposure):** No data available.

**Specific Target Organ Toxicity (Repeated Exposure):** No data available.

**Aspiration Toxicity:** Not an aspiration hazard.

**Acute Toxicity Values:** Benzyl butyl phthalate: LD50 Oral rat: 20400 mg/kg; LC50 Inhalation rat: 6.7 mg/L/4 hr; LD50 Dermal rabbit: >10000 mg/kg

## Section 12. Ecological Information

**Toxicity:** Benzyl butyl phthalate: 96 hr LC50 Fathead minnow 1.5 mg/L;  
72 hr EC50 Algae 1.5 mg/L; 48 hr EC50 Water flea 1.7 mg/L

This product is classified as toxic to the aquatic environment with long lasting effects. Releases to the environment should be avoided.

**Persistence and degradability:** Benzyl butyl phthalate is readily biodegradable.

**Bioaccumulative Potential:** Benzyl butyl phthalate has a BCF of 1693.25, log P<sub>ow</sub> 4.77, potential for bioaccumulative is high.

**Mobility in Soil:** No data available.

**Other Adverse Effects:** None known

## Section 13. Disposal Considerations

**Solution Disposal:** Discharge residual and unused solutions in accordance with Federal, State, and local regulations. For used solution, the waste solution must be characterized by the generator and disposed of in accordance with Federal, State, and local regulations.

**Container Disposal:** Dispose of empty container in accordance with Federal and local regulations.

## Section 14. Transport Information

	UN Number	UN Proper Shipping Name	Hazard Class(s)	Packing Group	Environmental Hazards
<b>ADG</b>	UN3077	Environmentally Hazardous Substance, solid, n.o.s. (BBP)	9	III	Yes
<b>IMDG</b>	UN3077	Environmentally Hazardous Substance, solid, n.o.s. (BBP). Marine pollutant (BBP)	9	III	Yes
<b>IATA/ICAO</b>	UN3077	Environmentally Hazardous Substance, solid, n.o.s. (BBP)	9	III	Yes

**Special Precautions for User:** None identified

**Transport in Bulk According to Annex III MARPOL 73/78 and the IBC Code:** Not applicable – product is transported only in packaged form.

**Hazchem Code:** Not applicable

## Section 15. Regulatory Information

**Montreal Protocol (Ozone Depleting Substances):** None present

**The Stockholm Convention (Persistent Organic Pollutants):** None present

**The Rotterdam Convention (Prior Informed Consent):** None present  
**Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP):** None present  
**Australian AICS:** Not determined.

<b>Section 16. Other Information</b>
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**Effective Date:** March 11, 2020  
**Supersedes Date:** January 6, 2014  
**Revision Summary:** All Sections – New SDS format

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