

Associated Dental Products Ltd.  
MATERIAL SAFETY DATA SHEET  
**KEMSIL PRECISE LAB PUTTY (PART B)**

Version No:1 (1.02 UK)

Updated: 26/10/03 (29/01/02)

<b>1. IDENTIFICATION</b>	
<p>1.1: PRODUCT NAME : <b>KEMSIL PRECISE LAB PUTTY (PART B)</b>          1.2: MANUFACTURER : <b>ASSOCIATED DENTAL PRODUCTS LTD.</b>          KEMENT WORKS PURTON SWINDON          WILTS. SN5 4HT. ENGLAND.          TEL: +44 (0) 1793 770 256          FAX: +44 (0) 1793 772 256          1.3: EMERGENCY TELEPHONE : <b>+44 (0) 1793 770 256</b>  <b>No</b></p>	
<b>2. COMPOSITION</b>	<b>3. HAZARDS IDENTIFICATION</b>
<p>PREPARATION          Chemical nature: Product based on polyorganosiloxanes and inert mineral fillers.          Components contributing to the hazard: NONE.          Components presenting hazards:          POLYMETHYLHYDROGENOSILOXANES (CAS: 69013-23-6).          1.2%</p>	<p>MOST IMPORTANT HAZARDS          Adverse human health effects: Slightly irritating to eyes          Environmental effects : Presents no particular risk to the Environment, provided the disposal requirements (see section 13) and national or local regulations are complied with.          Physical and chemical hazards              - Fire or explosion : Combustible solid.              Explosive vapour/air mixtures may be formed above 200°C.          Further Hazards: Violent reactions may occur on contact with certain chemicals. (Refer to the list of incompatible materials section 10; Stability/Reactivity).          Classification/Specific hazards: According to EEC criteria, this product is not classified as a "hazardous preparation".</p>
<b>4. FIRST AID MEASURES</b>	<b>5. FIRE FIGHTING MEASURES</b>
<p>4. Inhalation : Not specifically applicable.          Skin contact : Wipe off as much as possible (using a clean, soft, absorbent material). Wash with soap and water.          Eye contact : Rinse with water whilst keeping the eyes wide open.          Ingestion : Consult a doctor if necessary.          DO NOT give an unconscious person anything to drink.</p>	<p>5. Extinguishing media  <b>Suitable :</b>              - <b>Water spray.</b>              - <b>Foam.</b>              - <b>Carbon dioxide (CO2).</b>              - Not suitable : ALKALINE POWDERS          Specific hazards : Combustible.          During combustion: Toxic and flammable vapours are released (explosion hazard).          Specific fire fighting methods : Cool down the Containers/equipment exposed to heat with a water spray.          Protection of fire-fighters : Self-contained breathing apparatus.</p>
<b>6. ACCIDENTAL RELEASE MEASURE</b>	<b>7. HANDLING AND STORAGE</b>
<p>Personal precautions:              - appropriate gloves.              - Personal protective equipment          Environmental precautions: This product does not present any particular risk for the environment          Recovery. Methods for cleaning up: Collect up the product and place it in a spare container: - suitably labelled, with a closing device.          Keep the recovered product for subsequent disposal.          Cleaning/Decontamination : Wash with plenty of water.          Decontaminate and wash the floor with an appropriate self-emulsifying solvent.</p>	<p><b>HANDLING</b>          Technical measures : Does not require any specific or particular measures.          Safe handling advice : Comply with instructions for use (refer to technical sheet).  <b>STORAGE</b>          Does not require any specific or particular technical measures.          Storage conditions          Stable under normal storage conditions.          Incompatible products :              - Alkalis and caustic products              - Strong oxidizing agents.</p>

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<p>Disposal: Dispose of materials or solid residues at an authorized site.</p>	<p>Refer to detailed list of materials (section 10 "Stability/Reactivity")  Packaging: Steel drums varnished with Epikote.  - Plastic container.  Packaging materials: Coated steels.  Plastic materials (polyethylene, polypropylene).</p>
<p><b>8. EXPOSURE CONTROLS/PERSONAL PROTECTION</b></p>	<p><b>9. PHYSICAL AND CHEMICAL PROPERTIES</b></p>
<p>Engineering measures : No specific measures are required provided the product is handled in accordance with the general rules of occupational hygiene and safety.  Personal protective equipment  Eye protection : Handling product in bulk use Safety spectacles.  Hygiene measures : Do NOT drink, eat or smoke in the workplace.</p>	<p>APPEARANCE  - Physical state : Viscous paste.  - Colour : Blue.  - Odour : none.  - pH : Not applicable  Specific temperatures  Decomposition temperature : &gt; 200°C.  Flammability characteristics  Flash point : &gt; 200 ° C (Closed cup method ASTM D-56).  Oxidizing properties : Non oxidizing material according to EEC criteria.  Vapour pressure : &lt; 0.01 kPa at 20 °C.  Specific gravity : 1.9 g/cm<sup>3</sup> at 25°C.  Solubility  - in water : Practically insoluble.  - in organic solvents: diethylether  Dispersible (partial solubilisation) in:  - chlorinated solvents.  - aromatic hydrocarbons (toluene, xylene).  - Aliphatic hydrocarbons.</p>
<p><b>10. STABILITY AND REACTIVITY</b></p>	<p><b>11. TOXICOLOGICAL INFORMATION</b></p>
<p>Stability : Stable at room temperature.  Hazardous reactions  Materials to avoid :  - Alkalis and caustic products  - strong oxidizing agents.  Reacts with:  - chemical compounds with mobile hydrogen, in the presence of metal salts and complexes. A fire explosion hazard arises since highly flammable gas (Hydrogen) is released when it is in contact with:  - Hazardous decomposition products : On combustion or on thermal decomposition (pyrolysis) releases:flammable vapours which may generate fire or explosion hazards. Toxic gases. (Carbon oxides (CO + CO<sub>2</sub>)). (Hydrogen)  Quantity of Hydrogen potentially released: 5L/kg of product.</p>	<p>Acute toxicity: LD 50 skin (Rat): &gt;2000 mg/kg. (Results based on a similar formulation). (Unpublished Rhône-Poulenc work).  LD 50 oral (Rat) : &gt; 2000 mg/kg.  Local effects: Not irritating to rabbits on cutaneous application. (Results based on a similar formulation). (Unpublished Rhône-Poulenc work).</p>
<p><b>12. ECOLOGICAL INFORMATION</b></p>	<p><b>13. DISPOSAL CONSIDERATIONS</b></p>
<p>MOBILITY  Precipitation: The product is slightly soluble and forms a sediment by adsorption onto materials or particles in suspension.  Expected behaviour of the product: Ultimate destination of the product : SOIL and SEDIMENT  BIODEGRADABILITY</p>	<p>WASTE FROM RESIDUES  Prohibition : Do not discharge product into drains.  Do not allow the product to be released into the environment.  Destruction/Disposal : Dilute with a flammable solvent and incinerate at a licensed installation.  Dispose of at a licensed waste collection point.  Un-vulcanized product:</p>

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<p>Ultimate aerobic biodegradability: Not biodegradable.  <b>BIOACCUMULATION</b>          Bioconcentration factor: Not bioaccumulable.</p>	<p><b>Vulcanized product:</b>  <b>May be disposed of with non hazardous industrial waste.</b>  <b>CONTAMINATED PACKAGING</b>          Decontamination/cleaning : Scrape or drain carefully:          Destruction/Disposal : Entrust the thoroughly decontaminated packaging to a licensed waste-contractor.          Dispose of at an approved site.          NOTE : The user's attention is drawn to the possible existence of local regulations regarding disposal.</p>
<b>14. TRANSPORT INFORMATION</b>	<b>15. REGULATORY INFORMATION</b>
<p><b>INTERNATIONAL REGULATIONS</b>          Land</p> <ul style="list-style-type: none"> <li>- Rail/road (RID/ADR) NOT restricted.</li> <li>- Sea (IMO/IMDG) : NOT restricted.</li> <li>- Air (ICAO-IATA) : NOT restricted.</li> </ul> <p>NOTE : The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of transport regulations for hazardous materials, it would be advisable to check their validity with your sales office.</p>	<p><b>LABELLING</b>          EEC regulations : Mandatory labeling (self-classification) of hazardous preparations: Not applicable.          NOTE : The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the Safety Data Sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.</p>
<b>16. OTHER INFORMATION</b>	

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfil his obligations regarding the use of hazardous products. This information is not exhaustive. This does not exonerate the user from ensuring that legal obligations, other than those mentioned, relating to the use and storage of the product, do not exist. This is solely his responsibility.