

DENTSPLY Tulsa Dental

| 1. Product and Company Identification   |  |
|---|--|
| Product Name<br><b>Calamus™ Singles Cartridge Cannula (Gutta-percha only)</b>                     | MSDS Code Number<br>N/A  |
| Trade Name & Synonyms<br><b>Gutta-percha</b>  | Date of Last Revision<br>January 2005  |
| Chemical Name<br>N/A  | Manufacturer<br>DENTSPLY Indústria e Comércio  |
| C.A.S. Number<br>N/A  | Address<br>Rua Alice Hervê, 86 Petrópolis, RJ-Brazil 25665-010                         |
| Grades or Minor Variant Identities<br>N/A   | Information Telephone Number<br>1-800-424-9300   |
| Product Use (for Canada)<br>Warm gutta-percha is placed into the canal during root canal therapy. | Emergency Telephone Number<br>1-800-424-9300 (spill, leak, fire, exposure or accident) |

| 2. Composition of Ingredients |               |                 |     |
|-------------------------------|---------------|-----------------|-----|
| Hazardous Components          | C.A.S. Number | Exposure Limits | %   |
| Zinc Oxide                    | 1314-13-2     | N/A             | N/A |
| Barium sulphate               | 7727-43-7     | N/A             | N/A |
|                               |               |                 |     |
|                               |               |                 |     |

| 3. Hazard Identification   |                    |                                       |                                   |                                    |                 |
|--|--------------------|---------------------------------------|-----------------------------------|------------------------------------|-----------------|
| Emergency Overview   |                    |                                       |                                   |                                    |                 |
| <b>This product contains dry natural rubber that may cause an allergic reaction in patients with latex sensitivity.</b>  |                    |                                       |                                   |                                    |                 |
| Routes of Exposure   | Signs and Symptoms | Single, Repeated or Lifetime Exposure | Severity (Mild, Moderate, Severe) | Acute and Chronic Health Effect(s) | Target Organ(s) |
| Eye  | Redness            | Single                                | Mild                              | Acute eye irritation               | Eye             |
| Skin   | Redness            | Single                                | Mild                              | Acute skin irritation              | Dermal          |
| Inhalation   | None Known         | N/A                                   | N/A                               | N/A                                | N/A             |
| Ingestion  | None Known         | N/A                                   | N/A                               | N/A                                | N/A             |
| Medical Conditions Aggravated by Exposure  |                    |                                       |                                   |                                    |                 |
| <b>May cause an allergic reaction in patients with latex sensitivity.</b>  |                    |                                       |                                   |                                    |                 |
| Carcinogenicity (IARC, NTP)  |                    |                                       |                                   |                                    |                 |
| Not known to cause cancer in humans or animals   |                    |                                       |                                   |                                    |                 |
| Potential Environmental Effects  |                    |                                       |                                   |                                    |                 |
| Gutta-percha compound passes the special waste acceptance protocol. Validation made by a independent testing lab in accordance with EPA methods 200.7 and 1311 |                    |                                       |                                   |                                    |                 |

| 4. First Aid Measures                                  |  |                                  |                 |
|--|--|----------------------------------|-----------------|
| Routes of Exposure                                     | First Aid Instructions                   | Immediate Medical Attention      | Delayed Effects |
| Eye  | Flush irritated area                     | Contact physician for treatment. | None Known      |
| Skin   | Rinse irritated area with soap and water | Contact physician for treatment. | None Known      |
| Inhalation   | N/A                                      | N/A                              | N/A             |
| Ingestion  | N/A                                      | N/A                              | N/A             |
| Other  | N/A                                      | N/A                              | N/A             |
| Note to Physicians (Treatment, Testing and Monitoring) |  |                                  |                 |
| N/A  |  |                                  |                 |

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| <b>5. Fire and Explosion Data</b>  |  |                                      |              |
|--|--|--------------------------------------|--------------|
| Flashpoint Method:<br>N/A  | Flammable (Explosive) Limits in Air<br>LEL N/A UEL N/A | Autoignition Temperature<br>N/A      | Other<br>N/A |
| Flame Propagation or Burning Rate (for solids)<br>N/A  | Properties Contributing to Fire Intensity<br>N/A       | Flammability Classification<br>N/A   |              |
| Extinguishing Media<br>Water, Dry Chemical or Foam   |  | Extinguishing Media to Avoid<br>None |              |
| Protection and Procedures for Firefighters<br>Over exposure to thermal decomposition products presents a health hazard. Fireman should wear approved self contained breathing apparatus when extinguishing fire. |  |                                      |              |
| Unusual Fire and Explosion Hazards<br>None expected  |  |                                      |              |

| <b>6. Accidental Release Measures</b>  |
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| Containment Techniques<br>N/A  |
| Spill/Leak Clean-Up Procedures and Equipment<br>Dispose of material in accordance with federal, state and local regulations. |
| Evacuation Procedures<br>N/A   |
| Special Instructions<br>N/A  |
| Reporting Requirements<br>N/A  |

| <b>7. Handling and Storage</b>  |
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| Handling Practices and Warnings<br>No precautions necessary   |
| Storage Practices and Warnings<br>Avoid natural light, excessive temperatures and humidity, store away from oxidizing agents. |

| <b>8. Exposure Control/Personal Protection</b>   |   |                      |
|--|---|----------------------|
| Ventilation<br>N/A   | Other Engineering Controls<br>N/A                   |                      |
| Routes of Entry:   | Personal Protective Equipment (PPE) for Normal Use: | PPE for Emergencies: |
| Eyes/Face<br>N/A   | N/A   | N/A                  |
| Skin<br>N/A  | N/A   | N/A                  |
| Inhalation<br>N/A  | N/A   | N/A                  |
| General Hygiene Considerations and Work Practices<br>Observe good personal hygiene practices |   |                      |
| Protective Measures During Repair and Maintenance of Contaminated Equipment<br>N/A           |   |                      |
| Other Protective Measures and Equipment<br>N/A   |   |                      |

| <b>9. Physical and Chemical Characteristics</b>            |                            |  |           |
|--|----------------------------|--|-----------|
| Appearance<br>A solid rubber-like pink material            |                            | Odor<br>None   |           |
| Normal Physical State:<br>Liquid Gas                       |                            | Boiling Point N/A<br>Melting Point 80° C<br>Freezing Point N/A |           |
| √ Solid Other  |                            |  |           |
| Specific Gravity or Density<br>Approx 2.7g/cm <sup>2</sup> | Solubility in Water<br>N/A |  | pH<br>N/A |

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|                       |                      |                            |
|-----------------------|----------------------|----------------------------|
| Vapor Pressure<br>N/A | Vapor Density<br>N/A | Evaporation Acetate<br>N/A |
| Other<br>N/A          |                      |                            |

**10. Stability and Reactivity Data**

|  |                 |   |
|--|-----------------|---|
| Incompatibility (Materials to Avoid)<br><b>Strong Oxidants</b>   |                 |   |
| Hazardous Products Produced During Decomposition<br><b>CO, CO<sub>2</sub>, Hydrocarbons and Zinc fumes</b> |                 |   |
| Hazardous Polymerization?<br>May Occur   | √ May Not Occur | Conditions to Avoid<br>None known   |
| Stability?<br>√ Stable   | Unstable        | Conditions to Avoid<br>Natural light, Excessive temperatures and humidity |

**11. Toxicological Information**

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| Toxicity Data, Epidemiology Studies, Carcinogenicity, Neurological Effects, Genetic Effects or Structure Activity Data<br>None Known |
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**12. Ecological Information**

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| Toxicity, Environmental Fate, Physical/Chemical Data, or Other Data Supporting Environmental Hazard Statements<br>None Known |
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**13. Disposal Considerations**

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| Regulations<br>Dispose of material in accordance with federal, state and local regulations. |
| Properties (Physical/Chemical) Altering Disposal<br>None known                              |

**14. Transport Information**

|  |                                      |                              |
|--|--------------------------------------|------------------------------|
| Regulated for shipping?<br>Yes      √ No   | Proper Shipping Name<br>Gutta-percha | Packaging Group<br>N/A       |
| Do changes in quantity, packaging or shipment method change product classification?<br>Yes      √ No | Hazard Class<br>None hazardous       | Identification Number<br>N/A |
| Other<br>N/A   |                                      |                              |

**15. Regulatory Information**

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|---|
| Federal Regulations<br>29CFR Part 1910.1200(g)                      |
| International Regulations:<br>ISO 6877, ANSI/ADA #78, ISO/DIS 11014 |
| Other<br>N/A  |

**16. Other Information**

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| <b>This product should not be used in patients with a latex sensitivity.</b> |
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