Material Safety Data Sheet

Gutta Percha Points

MSDS, Rev. 0
Last revised: February 2007
Approved for Use: February 2007

1. Chemical product and company identification

Product Name: Gutta Percha Points
Company Name: Premier Dental Products Company
1710 Romano Drive
Plymouth Meeting, PA 19462 USA
Tel: 610-239-6000
Fax: 610-239-6171
Emergency Tel: 610-239-6000

2. Hazardous Ingredients/Identity Information

<table>
<thead>
<tr>
<th>Raw Material</th>
<th>CAS</th>
<th>Risk Symbol</th>
<th>Warning of Risk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gutta Percha</td>
<td>9000-32-2</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Zinc Oxide</td>
<td>1314-13-2</td>
<td>N/A</td>
<td>Can be toxic to human being and environmental if it is not used according to the recommendation.</td>
</tr>
<tr>
<td>Barium Sulfate</td>
<td>7727-43-7</td>
<td>N/A</td>
<td>Avoid contact and inhalation.</td>
</tr>
<tr>
<td>Polyethylene Glycol</td>
<td>25322-68-3</td>
<td>N/A</td>
<td>Can cause light irritation to the eyes. Long contact and under clothes moistened with the product can cause irritation and light discomfort.</td>
</tr>
<tr>
<td>Stearic Acid</td>
<td>57-11-4</td>
<td>N/A</td>
<td>Single exposure to vapors or mist is not likely to be hazardous. Prolonged/repeated contact may cause irritation in some individuals. Contact with eyes may cause light eye irritation. Not expected to be toxic by ingestion.</td>
</tr>
</tbody>
</table>

3. Hazards Identification

Routes of Entry: Possible by ingestion
Acute and Chronic Effects: None known.
Signs and Symptoms of Exposure: None known.
Medical Conditions Generally Aggravated by Exposure: None known
4. First Aid Measures

None required

5. Fire Fighting Measures

Flammable (Explosive Limits): Not established
Extinguishing Media: CO₂ water, even chemical and foam
Special Fire Fighting Procedures: Overexposure to thermal decomposition presents a health hazard. Firemen should wear approved self contained breathing apparatus when fighting fire.

Unusual Fire and Explosion Hazards: None expected

6. Accidental Release Measures

Steps to be taken in case material is released or spilled: Sweep, shovel or vacuum into container for disposal.

7. Handling and storage

Precautions to be taken in Handling: Avoid prolonged exposure to natural light and above 37°C/98.6°F.
Precautions to be taken in Storage: Store away from oxidizing agents.

8. Exposure Controls/Personal Protection

Exposures Limits:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>PEL</th>
<th>TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gutta Percha</td>
<td>N/D</td>
<td>N/D</td>
</tr>
<tr>
<td>Zinc Oxide</td>
<td>N/D</td>
<td>5 mg/m³</td>
</tr>
<tr>
<td>Barium Sulfate</td>
<td>N/D</td>
<td>N/D</td>
</tr>
<tr>
<td>Polyethylene Glycol</td>
<td>N/D</td>
<td>N/D</td>
</tr>
<tr>
<td>Stearic Acid</td>
<td>N/D</td>
<td>N/D</td>
</tr>
</tbody>
</table>

Respiratory Protection: None required
Ventilation: N/A
Protective gloves: N/A
Eye Protection: Goggles with side shields for lab work.
Other protective Clothing Or Equipment: Common uniform
Work/Hygienic Practices: Observe standard good personal hygiene, same as working with therapeutic products.
9. Physical and Chemical Properties

**Appearance and Odor:** Pink conical points, no odor or taste.
**Boiling Point:** N/A
**Vapor Pressure:** N/A
**Vapor Density:** N/A
**Solubility in water:** No
**Specific Gravity:** Approx. 2.7g/cm³
**Melting Point:** Softens at 80°C/176°F
**Evaporation Rate:** N/A

10. Stability and Reactivity

**Stability:** Stable
**Conditions to avoid:** Natural light, excessive heat and humidity.
**Incompatibility with other Materials:** Strong Oxidants
**Hazardous Decompositions or Byproducts:** CO, CO₂, Hydrocarbons and zinc fumes.
**Hazardous Polymerization:** Will not occur.
**Conditions to avoid (Polymerization):** None

11. Toxicological Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LC50 Inhalation</th>
<th>LD50 Oral Administration</th>
<th>LD50 Cutaneous Administration</th>
<th>Species</th>
<th>Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gutta Percha</td>
<td>N/D</td>
<td>N/D</td>
<td>N/D</td>
<td>N/D</td>
<td>N/D</td>
</tr>
<tr>
<td>Zinc Oxide</td>
<td>N/D</td>
<td>N/D</td>
<td>N/D</td>
<td>N/D</td>
<td>N/D</td>
</tr>
<tr>
<td>Barium Sulfate</td>
<td>N/D</td>
<td>N/D</td>
<td>N/D</td>
<td>N/D</td>
<td>N/D</td>
</tr>
<tr>
<td>Polyethylene Glycol</td>
<td>N/D</td>
<td>30mL/Kg</td>
<td>Rats</td>
<td>N/D</td>
<td>N/D</td>
</tr>
<tr>
<td>Stearic Acid</td>
<td>N/D</td>
<td>23+/-0.7mg/Kg</td>
<td>Mice</td>
<td>N/D</td>
<td>N/D</td>
</tr>
</tbody>
</table>

12. Ecological Information

N/D

13. Disposal Considerations

Dispose in accordance with local regulations

14. Transport Information

ICAO/IATA -
IMDG -
ADR/RID -

15. REGULATORY INFORMATION

OSHA – Occupational Safety and Health Administration
NTP – National Toxicology Program

16. OTHER INFORMATION

Legend:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>N°CAS</td>
<td>Chemical Abstract Service Registry Number</td>
</tr>
<tr>
<td>PEL</td>
<td>Permissible Exposure Limit</td>
</tr>
<tr>
<td>TLV</td>
<td>Threshold Limit Value</td>
</tr>
<tr>
<td>N/A</td>
<td>Not applicable</td>
</tr>
<tr>
<td>N/D</td>
<td>Not disposable</td>
</tr>
</tbody>
</table>

Legal Disclaimer: The above information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from the handling or from contact with the above product.