1. PRODUCT IDENTIFICATION

Trade Name (as labeled): Dental Points - Gutta Percha
Chemical Name/Classification: Gutta Percha Points
Product Identifier (Part/Item Number): Gutta Percha Points
U.N. Number: 3077
U.N. Dangerous Goods Classification: 9 (R36, R50/53, S3, S26, S60, S61)
Recommended Use: Root Canal Filler
Restrictions on Use: For Dental use only. This product should not be used in patients allergic to latex products.
Distributed by: Roydent Dental Products
Distributor Address: 608 Rolling Hills Dr., Johnson City, TN 37604
Distributor Telephone Number: 800-992-7767 (Product Information)
Emergency Contact Telephone Number: Chemtrec (800) -262-8200
Email address: Chemtrec@chemtrec.com

2. HAZARD(s) IDENTIFICATION

Hazard/Danger Classification:

<table>
<thead>
<tr>
<th>Health</th>
<th>Environmental</th>
<th>Physical</th>
</tr>
</thead>
<tbody>
<tr>
<td>R36</td>
<td>9, R50/53</td>
<td>None</td>
</tr>
</tbody>
</table>

Associated Hazards:

<table>
<thead>
<tr>
<th>Hazard Statements</th>
<th>Precautionary Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>S60, S61</td>
<td>S3, S26</td>
</tr>
</tbody>
</table>

EU Classification: 1
3. COMPOSITION AND INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Hazardous Components</th>
<th>C.A.S. # EC#</th>
<th>IUPAC Name</th>
<th>Substance Classification</th>
<th>WT %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gutta Percha</td>
<td>9000-32-2</td>
<td>Gutta Percha</td>
<td>R36,S2,S26</td>
<td>25%</td>
</tr>
<tr>
<td></td>
<td>232-537-3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zinc Oxide</td>
<td>1314-13-2</td>
<td>Zinc Oxide</td>
<td>R50, S60, S61</td>
<td>62.5%</td>
</tr>
<tr>
<td></td>
<td>215-222-5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Barium Sulfate</td>
<td>7727-43-7</td>
<td>Barium Sulfate</td>
<td>NA</td>
<td>12%</td>
</tr>
<tr>
<td></td>
<td>231-784-4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coloring Agent</td>
<td></td>
<td></td>
<td>NA</td>
<td>.5%</td>
</tr>
</tbody>
</table>

Refer to Section 16 for the full text of the GHS and H phrases and EU Classifications and R Phrases.

4. FIRST-AID MEASURES

<table>
<thead>
<tr>
<th>Routes of Exposure</th>
<th>First Aid Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye</td>
<td>Solid material may cause irritation or cornea injury due to mechanical action. Contact physician for treatment.</td>
</tr>
<tr>
<td>Skin</td>
<td>Non-irritating to the skin.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>NA</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Product is to be handed by professional dentist only. Aspiration is avoided by the use of rubber dam on the patient during application.</td>
</tr>
<tr>
<td>Most important symptoms of exposure</td>
<td>None</td>
</tr>
<tr>
<td>Other</td>
<td>This product should not be used in patients allergic to latex products.</td>
</tr>
</tbody>
</table>

Note to Physicians (Treatment, Testing, and Monitoring)

Treat Symptomatically

5. FIRE-FIGHTING MEASURES

<table>
<thead>
<tr>
<th>Suitable Extinguishing Media:</th>
<th>Water, foam CO2 &amp; dry chemical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire Fighting Procedures:</td>
<td>Protective clothing and self-contained breathing apparatus in closed space</td>
</tr>
<tr>
<td>Specific Hazards Arising from the Chemical:</td>
<td>None</td>
</tr>
<tr>
<td>Precautions for Fire Fighters:</td>
<td>None expected</td>
</tr>
</tbody>
</table>
6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions, PPE and Emergency Procedures**: Safety Glasses/Goggles

**Environmental Precautions**: None required

**Methods and Materials for Containment and Clean-up**: Collect into a suitable container and discard. Dispose of in accordance with federal, state and local regulations.

**Recommended Personal Protective Equipment for Containment and Clean-up**:

<table>
<thead>
<tr>
<th>EYES/FACE</th>
<th>SKIN</th>
<th>RESPIRATORY</th>
<th>THERMAL</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Eyes/Face Protection" /></td>
<td><img src="image2" alt="Skin Protection" /></td>
<td><img src="image3" alt="Respiratory Protection" /></td>
<td><img src="image4" alt="Thermal Protection" /></td>
</tr>
</tbody>
</table>

7. HANDLING AND STORAGE

**Precautions for Safe Handling**: Practice reasonable care. Do not autoclave. Sterilize in conventional manner with cold disinfectants, or alcohol. Avoid prolonged exposure to natural light and above 37ºC.

**Conditions for Safe Storage**: Store in a dry dark environment at temperature not above 70ºF. Preferably stored in refrigerator. Keep away from daylight or direct sunlight. Store away from oxidizing agents

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Occupational Exposure Limits**: None determined
Biological Exposure Limits: None determined

Appropriate Engineering Controls: None Determined

Individual Protection Measures (PPE)
Specific Eye/face Protection: Safety Glasses/Goggles
Specific Skin Protection: None required
Specific Respiratory Protection: None required
Specific Thermal Hazards: None required

Recommended Personal Protective Equipment

EYES/FACE

Environmental Exposure Controls: None required

General Hygiene Considerations and Work Practices: None Required

Protective Measures During Repair and Maintenance of Contaminated Equipment: None Required

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Explosive limits</th>
<th>NA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odor</td>
<td>Gutta Percha latex has a slight odor of its own. The compound has no perceptible odor.</td>
<td></td>
</tr>
<tr>
<td>Odor threshold</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>Melting/freezing point</td>
<td>Softens at 80°C</td>
<td></td>
</tr>
<tr>
<td>Initial boiling point and range</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>Flash point</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>NA</td>
<td></td>
</tr>
</tbody>
</table>
### 10. STABILITY AND REACTIVITY

**Reactivity:** This is a stable compound that will not degrade to unstable products or hazardous materials.

**Chemical Stability:** Stable

**Possibility of Hazardous Reactions:** Will not occur

**Conditions to Avoid:** Natural light, excessive heat and humidity

**Incompatible materials:** Strong Oxidants

**Hazardous Decomposition Products:** Carbon Monoxide, Carbon Dioxide, Hydrocarbons, and Zinc fumes

### 11. TOXICOLOGICAL INFORMATION

**Signs and Symptoms of Overexposure:** None

**Emergency Overview:** NA

<table>
<thead>
<tr>
<th>Likely Routes of Exposure</th>
<th>Signs and Symptoms</th>
<th>Single, Repeated, or Lifetime Exposure</th>
<th>Severity (Mild, Moderate, Severe)</th>
<th>Acute and Chronic Health Effect(s)</th>
<th>Target Organ(s)</th>
<th>LD50 Testing Data (as applicable)</th>
<th>LC50 Testing Data (as applicable)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye:</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Skin:</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Inhalation:</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Ingestion:</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Other:</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

**Medical Conditions Aggravated by Exposure:** None

**Carcinogenicity:** None

### 12. ECOLOGICAL INFORMATION

**Toxicity:** Gutta Percha compound passes the Special Waste Acceptance Protocol. Validation made by independent testing laboratory according to EPA methods 200.7 and 1311.

**Persistence and Degradability:** None
Bio-accumulative Potential: None
Mobility in Soil: None determined
Other Adverse Effects: None
Results of PBT/vPvB Assessment: None

13. DISPOSAL CONSIDERATIONS

Regulations: Product is not a hazardous waste. Landfill or incinerate in accordance with federal, state and local requirements. See #12.
Properties (Physical/Chemical) Affecting Disposal: None
Waste Treatment Recommendations: None

14. TRANSPORT INFORMATION

UN Identification Number: 3077
UN Proper Shipping Name: Not Regulated
Transport hazard class(es): Not Regulated
Packing Group: III
Special precautions for user: NA

15. REGULATORY INFORMATION

U.S. Federal Regulations
Comprehensive Environmental Response and Liability Act of 1980 (CERCLA): Not Listed
Toxic Substances Control Act (TSCA): International ingredients of this product are listed
Clean Water Act (CWA): Listed – Zinc Oxide
Clean Air Act (CAA): None
Superfund Amendments and Reauthorization Act (SARA) Title III Information: None
SARA Section 311/312 (40 CFR 370) Hazard Categories: Yes (Acute)

Immediate Hazard: Irritant
Toxic to Aquatic Organisms
Pressure Hazard: None
Delayed Hazard: None
Reactivity Hazard: None

This product contains the following toxic chemical(s) subject to reporting requirements of SARA Section 313 (40 CFR 372):

<table>
<thead>
<tr>
<th>Components</th>
<th>C.A.S. #</th>
<th>WT %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc Oxide</td>
<td>1314-13-2</td>
<td>62.5%</td>
</tr>
</tbody>
</table>

State Regulations

California: This product contains the following chemicals(s) known to the State of California to cause cancer, birth defects or reproductive harm:

<table>
<thead>
<tr>
<th>Components</th>
<th>C.A.S. #</th>
<th>WT %</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

International Regulations

Canadian Environmental Protection Act: Domestic substance list (DSL) - listed
Canadian Workplace Hazardous Materials Information System (WHMIS): Not Controlled
European Inventory of Existing Chemicals (EINECS): 215-222-5

16. OTHER INFORMATION

Full text of Classification abbreviations used in Section 2 and 3:
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Zinc Oxide) UN 3077, Class 9, PG III, Classification Code M7
R36 Irritating to eyes
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
S3 Keep in a cool place
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S60 This material and its container must be disposed of as hazardous waste
S61 Avoid release to the environment. Refer to special instructions/Safety data sheets

Date of SDS Preparation/Revision: 08/11/2014

Data Sources: Supplier
National Institute for Occupational Safety (NIOSH)
US Occupational Safety and Health Administration (OSHA)