# Material Safety Data Sheet

## 1. Identification of the substance/preparation and company

Product details: Resin based filling material  
Trade name: **Gem CCI-Catalyst**  
Supplier details:  
Dental Composite Ltd.  
Unit 2 Ebbsfleet Business Park  
Stonebridge Road  
Northfleet, Kent  
DA11 9DZ  

Information provided by:  
Dental Composite Limited  

Emergency phone number: 01474 536138  
Emergency fax number: 01474 564418  
E-mail: dental.composite@btconnect.com

## 2. Composition/information on ingredients

### Chemical characterisation

<table>
<thead>
<tr>
<th>Components</th>
<th>Ingredient</th>
<th>% w/w</th>
<th>CAS No.</th>
<th>S Phrase</th>
<th>R Phrase</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Hazardous</strong></td>
<td>Bisphenol A diglycidyl methacrylate</td>
<td>17.1</td>
<td>97-90-5</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Ethylene glycol dimethacrylate</td>
<td>8.6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Catalyst</td>
<td>0.56</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Silane coupling agent</td>
<td>Trace</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Non-hazardous</strong></td>
<td>Alumino silico phosphor fluoro glass</td>
<td>Q.S.P.</td>
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<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Silica</td>
<td>1.6</td>
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<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inhibitor</td>
<td>0.2</td>
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<td></td>
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<td></td>
<td>Approved pigments</td>
<td>Trace</td>
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</tr>
</tbody>
</table>

## 3. Hazards identification

Material is non-toxic, unlikely to cause harmful effects under normal conditions of handling and use.  
Practice good hygiene. Wear gloves, overalls. Skin irritation is possible in sensitive individuals. Contact dermatitis (skin sensitisation) can develop in sensitive individuals. Can combust when exposed to flame.

## 4. First aid measures

### After contact with skin

Wash with soap and water, remove contaminated clothing.

### After contact with eyes

Flush eyes immediately with water for a minimum of 15 minutes and seek medical attention.

### After ingestion

### After inhalation
5. **Fire-fighting measures**  
Use water fog, foam or carbon dioxide. Firemen should wear protective clothing and self contained respirators if large amounts are involved.

6. **Accidental release measures**  
**Environmental precautions**  

Methods for cleaning up/taking up  
Spread out material and expose spillage to sunlight or artificial light until solid, dispose of as non-hazardous waste.

7. **Handling and storage**  
**Handling**  
Users with special skin problems, cuts or abrasions should wear protective gloves (latex or PVC)  

**Storage**  
Avoid high temperatures and ignition sources. Store at room temperature or less.

8. **Exposure controls/personal protection**  
**Hygiene measures**  

**Respiratory protection:**  
**Hand protection:** Users with special skin problems, cuts or abrasions should wear protective gloves (latex or PVC)  

**Eye protection:**  
**Body protection:**

9. **Physical and chemical properties**  

**Appearance**  
Form:  
Colour:  
Odour:  

**Data Relevant to safety**  
Flash point: N/A  
Ignition temperature:  
Explosive limits:  
Boiling point/range: N/A  
Melting point range  
Density  
Solubility in water  
Vapour pressure: N/A
### 10. Stability and reactivity

**Thermal decomposition/conditions to avoid**  
Polymerises under intense light or high heat

**Hazardous reactions/substances to avoid**

### 11. Toxicological information

There is no toxicological data available for this product. There is no known health risk if used properly. Prolonged skin and eye contact should be avoided.

### 12. Ecological information

Further ecological information

Remarks

### 13. Disposal considerations

Product

### 14. Transport information

<table>
<thead>
<tr>
<th>UN No.</th>
<th>IMDG Class:</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMO:</td>
<td>Packaging Group:</td>
</tr>
<tr>
<td>IATA:</td>
<td>Packaging Group:</td>
</tr>
<tr>
<td>Correct technical name:</td>
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</tr>
<tr>
<td>ADR/RID:</td>
<td></td>
</tr>
</tbody>
</table>

### 15. Regulatory information

- **Hazard symbols**
- **R Phrases**
- **S Phrases**

Other regulations

### 16. Other information


This knowledge is given in good faith, being based on the latest knowledge available to Dental Composite Ltd. No known relevant information has been omitted from the product information, risk information and safety precaution sheets. The user should not assume therefore, the product is suitable for any abnormal use. If the information provided is insufficient to ensure safety in any particular application, please contact Dental Composite Ltd. prior to use for further advice.