# Material Safety Data Sheet

**MirrorImage**  
according to (EC) No. 1907/2006

## 1. Product/Company Identification

<table>
<thead>
<tr>
<th>Trade Name:</th>
<th>MIRRORIMAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of Issue:</td>
<td>09.20.2013</td>
</tr>
<tr>
<td>Product Description:</td>
<td>Temporary Crown &amp; Bridge Material</td>
</tr>
<tr>
<td>Company Name</td>
<td>COSMEDENT, Inc</td>
</tr>
<tr>
<td></td>
<td>401 N Michigan Ave. Ste. 2500</td>
</tr>
<tr>
<td></td>
<td>Chicago, IL 60611 USA</td>
</tr>
<tr>
<td>Emergency information:</td>
<td>Mary O'Malley</td>
</tr>
<tr>
<td></td>
<td>312-644-9586 or 312-720-0701</td>
</tr>
<tr>
<td></td>
<td><a href="mailto:mary@cosmedent.com">mary@cosmedent.com</a></td>
</tr>
</tbody>
</table>

## 2. Hazards identification

**Risk identification:**

**Special risks for human beings and environment:**

**Classification:** Classification corresponds to actual EC guidelines, however completed with details from technical literature and company data.

## 3. Composition/Information on Ingredients

**Chemical characterization:**

Mixture of polyfunctional acrylates and methacrylates, unsaturated esters and malonyl urea derivatives.

**Description:**

**Hazardous components:**

<table>
<thead>
<tr>
<th>CAS-No.:</th>
<th>Name</th>
<th>R-classification</th>
</tr>
</thead>
</table>

## 4. First-aid measures

**General information:**

- **after skin contact:** Wash with plenty of water and soap.
- **after eye contact:** Rinse with plenty of water and consult a physician.
- **after swallowing:** If swallowed do not induce vomiting. Seek medical advice.

## 5. Fire fighting measures

**Extinguishing media:** CO₂, water.
6. Accidental release measures
   Personal precautions: 
   Environmental precautions: 
   Methods for cleaning up: Wipe out with absorbent material.

7. Handling and storage
   Handling: This product should only be supplied or handled to dentists, dental technicians or upon their instructions.
   Handling procedures: None if proper stored or used.
   Recommendation for fire and explosion protection:
   storage: Dry place, room temperature, store away from food stuffs.

   Requirements for storage with other products: Store away from food stuffs.

   Storage classification:

8. Exposure controls/personal protection
   Additional information for technical plants:
   Components with limits of values to be supervised at the workplace:

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Name</th>
<th>% art</th>
<th>value</th>
<th>unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>The product contains no relevant quantities of components with limits of values to be supervised at the workplace.</td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

   Additional information:

   Personal protective equipment: not necessary.
   General measures of protection and hygiene: normal hygienic measures.
   respiration: not necessary.
   hands: wear gloves.
   eyes: not necessary.
9. Physical and chemical properties

Appearance
Form: Paste
Color: Different (tooth coloured).
Odor: Nearly odourless.

<table>
<thead>
<tr>
<th>Information on change in the physical state</th>
<th>Value</th>
<th>Unit</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting point/melting range:</td>
<td>N.a.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boiling point/boiling range:</td>
<td>N.a.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flash point:</td>
<td>Not determinated.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Autoignation temperature:</td>
<td>Not determinated.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Danger of explosion:</td>
<td>None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Density:</td>
<td>1.50 (20°C)</td>
<td>g/cm$^3$</td>
<td></td>
</tr>
<tr>
<td>Vapour pressure:</td>
<td>Negligible.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Viscosity:</td>
<td>Pasteous.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>pH:</td>
<td>Neutral.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solubility in/miscibility with:</td>
<td>Slightly soluble in toluene, organic solvents.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water:</td>
<td>Nearly insoluble.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Content of solvents:</td>
<td>None.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Organic solvents:</td>
<td>-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water:</td>
<td>-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Content of solids:</td>
<td>N.a.</td>
<td></td>
<td></td>
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</tbody>
</table>

10. Stability and reactivity

Unstable, avoid heat, direct sunlight.

Incompatibility with other substances:
- Peroxides, metal powders, strong oxidizers, free radical initiators.

Hazardous decomposition products:
- Not known.

11. Toxicological information

Acute toxicity:
Primary irritation:
- skin: Non toxic, no absorption.
- eye: Irritating.
- inhalation: Non volatile.
- ingestion: Possible toxic when swallowed.

Sensitization of product:
- Not observed.

Additional toxicological information:
- Allergic reactions to methacrylate by chronic exposure to product are possible. During the long period of use as temporary crown and bridge material no health diseases are reported.
### 12. Ecological information

**General information:**
No data known.

**Classification of water endangerment (self estimation):**
generally nonpolluting substance

### 13. Disposal consideration

**Product:**

**Recommendation:**
Use proper landfill disposal or incineration in accordance with local, state and federal regulations.

### 14. Transport information

**Land transport ADR/RID and GGVS/GGVE (Germany):**
Not classified as dangerous goods.

**Sea transport IMDG:**
Not classified as dangerous goods.

**Air transport ICAO-TI and IATA-DGR:**
Not classified as dangerous goods.

### 15. Regulatory information

**Classification according to EC-guidelines:**
No classification necessary to actual EC guidelines.

### 16. Other information:

**Changes compared with the previous version:**

Adaptation according to REACH-regulation (EC) No. 1907/2006

The above information is based on our present day knowledge and relates solely to the safety requirements of the product. The data do not signify any warranty with regards to products properties. However users of the product should satisfy themselves that the information given is sufficient and correct for their specific circumstances of use.