SECTION 1: Identification of the substance/preparation and of the company/undertaking

1.1. Product identifier

Product code : FC-RESI-053; FC-RESI-049
Product name : Resilience® Catalyst Enamel Bonding Resin
Product description : 6787M6G8
Chemical family : Aromatic and Aliphatic Diemethacrylate Monomers
Molecular formula : Not Available

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

Manufacturer
Ortho Technology, Inc.
17401 Commerce Park Boulevard
Tampa, FL 33647
Emergency Phone : 1-800-999-3161
E-Mail : ljohnson@orthotechnology.com

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Directive 1999/45/EC

2.2. Label elements

Causes skin and eye irritation.

Classification according to Regulation (EC) No 1272/2008 [CLP]

Hazard pictogram(s) :
Exclamation mark

Hazard statement(s) : H315 + H320: Causes skin and eye irritation.

2.3. Other hazards

SECTION 3: Composition / information on ingredients

3.1. Substances

Not Applicable

3.2. Mixtures
SAFETY DATA SHEET
according to Regulation (EC) No. 453/2010

Resilience® Catalyst Enamel Bonding Resin

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS</th>
<th>EINECS No.</th>
<th>Wt.%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bisphenol &quot;A&quot; Diglycidyl Methacrylate</td>
<td>156-94-2</td>
<td>N/A</td>
<td>~ 0 - 100</td>
</tr>
<tr>
<td>Benzoyl Peroxide</td>
<td>94-36-0</td>
<td>202-327-6</td>
<td>~ 0 - 100</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1. Description of first aid measures

Following eyes: Flush with copious amounts of water.
Following skin: Wash with soap and water.
Following ingestion: Seek medical attention
Following inhalation: Remove to fresh air.

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: Fire fighting measures

5.1. Extinguishing media

Extinguishing media: Dry Chemical Foam, CO2, Alcohol, or Polymer Foam

5.2. Special hazards arising from the substance or mixture

Explosion hazards: Material may burn if exposed to flame

5.3. Advice for firefighters

Fire fighting procedures: None required
Fire fighting equipment: Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.2. Environmental precautions

Water spill: May cause adverse environmental impact if material reaches waterways

6.3. Methods and material for containment and cleaning up

Small spill: Collect spilled materials. Place in closed container.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling: To be handled by qualified dental professionals.
Storage: Store at or below room temperature.

7.2. Conditions for safe storage, including any incompatibilities
SAFETY DATA SHEET
according to Regulation (EC) No. 453/2010

Resilience® Catalyst Enamel Bonding Resin

7.3. Specific end use(s)

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

8.2. Exposure controls

Eye/face protection : Safety glasses; splash goggles recommended.
Skin protection : Wear lab coat and compatible chemical-resistant gloves.
Respiratory protection : None required under normal use
Protective clothing : Wear lab coat

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Filled Resin</td>
</tr>
<tr>
<td>Odour</td>
<td>Resin odor</td>
</tr>
<tr>
<td>Melting temperature</td>
<td>No Data</td>
</tr>
<tr>
<td>Freezing temperature</td>
<td>No data</td>
</tr>
<tr>
<td>Boiling temperature</td>
<td>No data</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>1.1</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>Insoluble, Flux alone (inside the Pellets) is water soluble</td>
</tr>
</tbody>
</table>

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Chemical stability : Stable.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions : Polymerization may occur in large quantities

10.4. Conditions to avoid

Conditions to avoid : High temperatures. Keep away from materials containing tertiary amines

10.5. Incompatible materials

10.6. Hazardous decomposition products

Hazardous decomposition products : Carbon monoxide and Carbon dioxide

SECTION 11: Toxicological information
**SAFETY DATA SHEET**
according to Regulation (EC) No. 453/2010

Resilience® Catalyst Enamel Bonding Resin

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### 11.1. Information on toxicological effects

### SECTION 12: Ecological information

12.1. Toxicity
12.2. Persistence and degradability
12.3. Bioaccumulative potential
12.4. Mobility in soil
12.5. Results of PBT and vPvB assessment
12.6. Other adverse effects

**Environmental data**
May cause adverse environmental impact if material reaches waterways

### SECTION 13: Disposal considerations

13.1. Waste treatment methods

**Product disposal**
Dispose of waste in an appropriate waste disposal facility according to current applicable laws and regulations

**Disposal method**
Collect spilled material. Place in closed container.

### SECTION 14: Transport information

14.1. UN number
14.2. UN proper shipping name
14.3. Transport hazard class(es)
14.4. Packing group
14.5. Environmental hazards
14.6. Special precautions for user
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

### SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**General comments**
R-Phrase:
R21: Harmful in contact with skin
S-Phrase:
S24/25: Avoid contact with skin and eyes.

15.2. Chemical safety assessment

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**SECTION 16: Other information**

Reason for issue
New MSDS Format

Approved by
Jodi Hutchnins  **Title**: Director of Regulatory and Quality Affairs

Prepared by
T. Bouchard
Resilience® Catalyst Enamel Bonding Resin

Revision summary: This MSDS replaces the 03/11/2014 MSDS. Revised:

Section 1: APPROVED BY, REASON FOR ISSUE, TITLE.

Section 2: 

Section 3: Wt.%.

Manufacturer disclaimer: To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.