DentsplySirona Safety Data Sheet

1. Identification

Product Name: TPH Spectra® ST
Substance Identity: Universal Composite Restorative
SDS Code Number: K102067
Date of Last Revision: 5/16/17
Manufacturer Address: Dentsply DETray GmbH
De-Trey-Str. 1
76487 Konstanz
Germany
Distributor Address: Dentsply LLC
38 West Clarke Avenue
Midford DE. 19963-1605 USA
http://www.dentsplysirona.com
Grades or Minor Variant Identities:
Not Applicable
Company Telephone Number (Product Inquiries):
(302) 422-4511 (8:00 AM – 4:30 PM Eastern Time)
Emergency Telephone Number (Outside U.S.):
CHEMADEC: 1-800-424-9300 (24 hours)

2. Hazard(s) Identification

WARNING
CARES SKIN IRRITATION
CARES SERIOUS EYE IRRITATION
MAY CAUSE AN ALLERGIC SKIN REACTION
Wash hands thoroughly after handling.

3. Composition/Information on Ingredients

Hazardous Components

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Exposure Limits</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Urethane modified Bis-OMA dimethacrylate</td>
<td>Not Established</td>
<td>2.5 - &lt; 10</td>
</tr>
<tr>
<td>2, 6-di-isobutyl-p-cresol</td>
<td>Not Established</td>
<td>0.1 - &lt; 2.5</td>
</tr>
<tr>
<td>Polyvinylable dimethacrylate resin</td>
<td>Not Established</td>
<td>2.5 - &lt; 10</td>
</tr>
<tr>
<td>Titanium trifluoride</td>
<td>Not Established</td>
<td>2.5 - &lt; 10</td>
</tr>
<tr>
<td>Epoxymodified Bisphenol A Dimethacrylate</td>
<td>Not Established</td>
<td>2.5 - &lt; 10</td>
</tr>
</tbody>
</table>

Other Information: Colors are inorganic iron oxides and titanium dioxide.

4. First Aid Measures

Route of Exposure | First Aid Instructions | Immediate Medical Attention | Delayed Effects |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye</td>
<td>Remove opened eye for several minutes under running water. If symptoms persist consult physician.</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Skin</td>
<td>Immediatly wash with soap and water and rinse thoroughly.</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Simply flush airway. Use oxygen in case of symptoms.</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Wash thoroughly, or consult poison center physician.</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Inversion</td>
<td>Raise torso for several minutes under running water. If symptoms persist consult physician.</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

Note to Physicians: Treating, Testing and Monitoring: Treat symptomatically.

5. Fire Fighting Measures

Flame Propagation or Burning Rate for Solids: Not Applicable
Properties Contributing to Fire Intensity: Not Applicable
Flammability Classification: Not Applicable
Other: Not Applicable
Extinguishing Media - For Fire: Extinguishing Media to Avoid: Water with full pressure.
Extinguishing Media - For Explosion: Extinguishing Media to Avoid: Water with full pressure.
Protection and Procedures for Firefighters: Firefighters should wear self-contained respiratory protective devices.
Consistent Fire and Explosion Hazard - Person may be present in the decomposition of the dimethacrylate resin.
Product does not present an explosion hazard.

6. Accidental Release Measures

Consequential Techniques: Material is a paste and is not flammable.
Spill Clean-Up Procedures and Equipment: Wear protective clothing and scup up broken material into a labled plastic or metal container.
Avoid direct skin contact to minimize the possibility of contact dermatitis in susceptible persons. Ensure adequate ventilation.

7. Handling and Storage

Handling Practices and Warnings: Product is intended for dental use only. Handling of this product should be by trained dental healthcare professionals only. Observe normal care for working with chemicals.
Storage Practices and Warnings: Store only in the original package. Keep package tightly sealed. Store in a dry area. Protect from exposure to direct light. Store away from food and beverages.

8. Exposure Control / Personal Protection

Occupational Exposure Limits: Not Applicable

Institutional Protective Measures

<table>
<thead>
<tr>
<th>Personal Protective Equipment for Normal Use</th>
<th>Personal Protective Equipment for Emergencies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safety Glasses</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Skin</td>
<td>The glove material has to be impermeable and resistant to the product.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Not Required if room is well ventilated</td>
</tr>
<tr>
<td>Body Protection</td>
<td>Protective work clothing</td>
</tr>
</tbody>
</table>

Note: All personal protective equipment should be appropriate for the potential exposure as well as any other potential hazards associated with the use of this product.
### 9. Physical and Chemical Characteristics

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Varies shades of viscous paste.</td>
</tr>
<tr>
<td>Normal Physical State: Very High Viscosity Liquid (Paste)</td>
<td></td>
</tr>
<tr>
<td>Melting Point: Not Applicable</td>
<td></td>
</tr>
<tr>
<td>Vapour Pressure (mm Hg): Not Applicable</td>
<td></td>
</tr>
<tr>
<td>Vapour Density (kg/m³): Not Applicable</td>
<td></td>
</tr>
<tr>
<td>Flammable (Explosive): Not Applicable</td>
<td></td>
</tr>
<tr>
<td>Reactor Grade Acrylate (11): Not Applicable</td>
<td></td>
</tr>
<tr>
<td>Flash Point Method: Not Applicable</td>
<td></td>
</tr>
<tr>
<td>Flash Point: Not Applicable</td>
<td></td>
</tr>
<tr>
<td>Other: Not Applicable</td>
<td></td>
</tr>
</tbody>
</table>

**Miscellaneous:** Street acrylic ester oil.

### 10. Stability and Reactivity Data

#### 10.1. Incompatibility

<table>
<thead>
<tr>
<th>Material to Avoid:</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strong Oxidizing materials</td>
<td></td>
</tr>
</tbody>
</table>

#### 10.2. Spill/Leak Procedure

- Material is irritating to eyes, respiratory system and skin.
- Do not allow undiluted product or large quantities of it to reach ground water, water supplies, sewers or drainage ditches.
- Prevent water from entering to sewers.
- Do not allow product to reach sewage system.
- Do not allow product to enter surface or ground waters.

#### 10.3. Meeting Health Standards

- NFPA 704: 2-1-0, Not Applicable
- If room is well ventilated, exposure is not expected to present a health hazard.
- If there is inadequate ventilation, local exhaust ventilation system should be used.
- Do not allow room to reach permissible exposure limits.

#### 10.4. Other: Not Applicable

### 11. Toxicological Information

#### 11.1. Acute Effects

- Material is irritating to eyes, respiratory system and skin.
- Material is not harmful if swallowed using clinically relevant quantities.
- May not occur, but may be an irritant if room is well ventilated.

#### 11.2. Chronic Effects

- Material is irritating to eyes, respiratory system and skin.
- Material may be an irritant if room is well ventilated.
- Irritation or possible allergic response.
- Sensitization is rare, not expected.

#### 11.3. Other: Not Applicable

### 12. Ecological Information

#### 12.1. Disposal Considerations

- Spills: Evacuation Procedures: Not Applicable
- Storage: Avoid gross skin contact to minimize the possibility of contact
- Spill/Leak Clean-up: Not Applicable
- Other: Not Applicable

### 13. Transport Information

#### 13.1. UN No.

- 1125
- 1126
- 1127
- 1128

### 14. Regulatory Information

- This product has been classified in accordance with the Global Harmonized System of Classification and Labelling of Chemicals and the SDS contains all of the information required by the Canadian Controlled Products Regulations.

#### 14.1. Federal Regulations

- Section 133 United States: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None
- Section 302 Emergency Information Substances (EPCs): None
- EPCs, Toxic Substances Control Act (TSCA) Name: All of the components of this product are listed in the TSCA inventory.
- Part 72, State Regulations: California Proposition 65: This product does not contain any chemicals, which are on the California Proposition 65 list.

#### 15. Other Information

- The data sheets are subject to change. The latest date of issuance is 01/2001.
- All components are synthetically produced from derived from animal products.
- This information is based on current knowledge. This shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
- The attached safety data sheet covers the dangers and measures to be taken when large quantities of material are released, for example due to accidents during transport or storage by the dealer. For quantities of material typically used in clinical practice, information necessary for safe use and storage of the product is given in the EU-RL.