This SDS packet was issued with item:
070864470

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

070804955 070863886 070863894 070863902 070863910 070863936 070863944 070863951 070863969 070863977
070863985 070863993 070864454 070864462 070864488 070864496 07086467 070866475 070866483 070866491
070866509 070866517 070866525 070866541 070866558 070866566 070866574 070866582
**Dentsply Sirona Safety Data Sheet**

### 1. Identification

- **Product Name:** TPH Spectra® ST
- **Universal Compositional Restorevative**

**SDS Code Number:** K/102067

**Date of Last Revision:** 5/16/17

**Manufacturer Address:**
- Dentsply DeTrey GmbH
- De-Trey-Str. 1
- 78467 Konstanz
- Germany

**Distributor Address:**
- Dentsply LLC
- 38 West Clarke Avenue
- Midland DE 19963-1805 USA
- http://www.dentsplysirona.com

**Company Telephone Number (Product Inquiries):**
- (302) 422-4511 (8:00 AM – 4:30 PM Eastern Time)

**Emergency Telephone Number (for USA):**
- CHEMTREC: 1-800-424-9380 (24 hours)

### 2. Hazard(s) Identification

**UNusual Fire and Explosion Hazards:** Formation of toxic, irritating gases is possible from the decomposition of the dimethacrylates and methacrylates. The product shows the following dangers according to internally established data:

- **Stability:** Stable
- **Hazardous Polymerization:** Not Applicable
- **Hazardous Products Produced During Decomposition:** No
- **Spontaneous Combustion:** Not Applicable
- **Hazardous Polymerization:** Not Applicable
- **Exposure Limits:** Not Applicable
- **Specific Grading:** Not Applicable

**Routes of Exposure:**
- **Eye**
- **Inhalation**
- **Ingestion**
- **Skin**

**Toxicity Data, Epidemiology Studies, Carcinogenity:**
- **Oncogenicity:** Not Applicable
- **Mutagenicity:** Not Applicable
- **Osteogenicity:** Not Applicable
- **Reproductive Toxicity:** Not Applicable
- **Sensitization:** Not Applicable
- **Inhalation:** Not Applicable
- **Ingestion:** Not Applicable
- **Skin Irritation:** Not Applicable
- **Skin Stability:** Not Applicable
- **Skin Corrosion:** Not Applicable

**Material:**
- **Material may be an irritant.**
- **Material may cause irritation.**
- **Material is irritating to eyes, respiratory system and skin.**
- **Material can cause irritation.**
- **Material is not harmful if swallowed using clinically approved calculation methods for composite materials: Irritant.**
- **Material is not harmful if inhaled using clinically approved calculation methods for composite materials: Irritant.**
- **Material may be an allergic skin reaction.**
- **Material is not harmful if ingested using clinically approved calculation methods for composite materials: Irritant.**

**Material can cause skin irritation.**

### 3. Composition/Information on Ingredients

- **Handbook Components:**
  - Urethane modified Bis-OMA dimethacrylate 126664-17:1
  - 2,6-di-isopropyl-p-cresol 128-37-0
  - Polyethylene glycol 109-16-0
  - Ytterbium trifluoride 13790-80-0
  - Ethoxylated Bisphenol A Dimethacrylate 41637-38-1

**Other Information:**
- **Color:** Black;
- **Dimensions:** 150 x 320 mm (150 x 80 mm folded);
- **Color:** Black;
- **Weight:** 25 grams.

**Material:**
- **Material is not harmful if inhaled using clinically approved calculation methods for composite materials: Irritant.**
- **Material is not harmful if ingested using clinically approved calculation methods for composite materials: Irritant.**
- **Material is irritating to eyes, respiratory system and skin.**
- **Material can cause irritation.**
- **Material is not harmful if swallowed using clinically approved calculation methods for composite materials: Irritant.**
- **Material is not harmful if inhaled using clinically approved calculation methods for composite materials: Irritant.**
- **Material may be an allergic skin reaction.**
- **Material is not harmful if ingested using clinically approved calculation methods for composite materials: Irritant.**

**Material can cause skin irritation.**

**Material is irritating to eyes, respiratory system and skin.**

### 4. First Aid Measures

- **Routes of Exposure:**
  - **Eye:** Rinse opened eye for several minutes under running water.
  - **Inhalation:** Supply fresh air; consult doctor in case of complaints.
  - **Ingestion:** Do not induce vomiting. Consult physician.
  - **Skin:** Rinse with soap and water and rinse thoroughly.

- **Immediate Medical Attention:**
  - **Eye:** If symptoms persist consult physician.
  - **Inhalation:** If symptoms persist consult physician.
  - **Ingestion:** If symptoms persist consult physician.
  - **Skin:** Rinse with soap and water and rinse thoroughly.

### 5. Fire Fighting Measures

- **Flame Propagation or Burning Rate:**
  - **Solid/Not Applicable**

- **Properties Contributing to Fire Hazard:**
  - **Flammability Classification:** Not Applicable

- **Extinguishing Media to Avoid:** Water with full jet.

- **Extinguishing Media to Avoid:** Alcohol-resistant foam.

- **Firefighters:** Wear self-contained respiratory protective devices.

### 6. Accidental Release Measures

- **Clean-up Procedures:**
  - **Spill/touch-up Procedures and Equipment:** Wear protective clothing and scoop up solid material and place in a labeled plastic or metal container.
  - **Avoid direct skin contact to minimize the possibility of contact dermatitis to susceptible persons. Ensure adequate ventilation.
  - **Accidental Inhalation:** Ensure adequate ventilation.

- **Emergency Procedures:**
  - **Special Instructions:** Not Applicable
  - **Reporting Requirements:** Not Applicable

### 7. Handling and Storage

- **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 Limit:** Not Applicable

- **Personal Protective Equipment for Normal Use:**
  - **Safety Glasses:** Not Applicable
  - **Gloves:** Not Applicable
  - **Skin Protection:** Not Applicable
  - **Respiratory Protection:** Not Applicable
  - **Eye Protection:** Not Applicable

- **Personal Protective Equipment for Emergencies:**
  - **Safety Glasses:** Not Applicable
  - **Gloves:** Not Applicable
  - **Skin Protection:** Not Applicable
  - **Respiratory Protection:** Not Applicable
  - **Eye Protection:** Not Applicable
11. Toxicological Information

Toxicity Data: Epidemiology Studies, Carcinogenicity, Neurotoxic Effects, Allergic Effects, Reproductive Effects, or Structure Activity Data. This product is an irritant to the skin and mucous membranes. The unpolymerized product may be an irritant to the skin in susceptible persons. On the eye the product has an irritating effect. Sensitization, Repeated or prolonged contact with the unpolymerized material may cause sensitization for persons allergic to acrylamides and methacrylates. This product shows the following dangers according to currently approved calculation methods for biological materials.

Emergency Overview: Material is irritating to eyes, respiratory system and skin.

Routes of Exposure: Ingestion, Inhalation, Skin Contact, Other

Ingestion

Stable

Health = 1, Fire = 1

Inhalation

Stable

Health = 1, Fire = 1

Skin

Stable

Health = 1, Fire = 1

Toxicity Data: Acute and Chronic Health Effect(s)

Acute: Inflammation of the mucosa

Chronic: Inflammation of the mucosa

Dermal: Irritation or possible allergic response. Severe allergic response may result in breathing difficulties.

Respiratory: Sensitization for persons allergic to acrylamides and methacrylates. This product shows the following dangers according to currently approved calculation methods for biological materials.

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Inhalation

Stable

Health = 1, Fire = 1

Skin

Stable

Health = 1, Fire = 1

12. Ecological Information

Toxicity Data, Environmental Fate, Physical/Chemical Data, or other Data Supporting Environmental Hazard Statements: Water Hazard class 1 (Self- assessment: slightly hazardous for water. Do not allow unlabeled product or large quantities of it to reach ground water, water streams or sewage system.

13. Disposal Considerations

Regulations: Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Do not allow product to reach sewage system. Dispose of material as solid waste in a closed container.

14. Transport Information

Regulated for Shipping: No. Not Regulated

DOT Shipping Name: Not Regulated

Packaging Group: Not Applicable

UN Number: Not Applicable

15. Regulatory Information

This product has been classified in accordance with the hazard criteria of the Globally Harmonized System of Classification and Labeling of Chemicals and the SDS contains all of the information required by the Canadian Controlled Products Regulations.

16. Other Information

This is based on our knowledge this product does not contain platelet, white grains, harvested, sawn timber, or mineral oils.

All components are synthetically produced and are derived from animal products. This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific products 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-HDU.