

Document Detail

Type: 0170-SDS
Document No.: 0170-SDS-000020[1]
Title: T.E.R.M.® (Temporary Endodontic Restorative Material)
Comment
Status: CURRENT
Effective Date: 24-Aug-2017

Approvals

<u>Role</u>	<u>Sign-off By</u>	<u>Sign-off Date</u>		
TDS-Technical Resources Manager	Marcie Littleton	23-Aug-2017 4:05 pm	GMT	
TDS-Safety Generalist	Terri Underwood	21-Aug-2017 7:01 pm	GMT	

DENTSPLY Tulsa Dental Specialties

Safety Data Sheet

Conforms with OSHA Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012

Date Issued: Nov 4, 2008

Document Number: SDSTERM7/11B

Date Revised: Aug 21, 2017

Revision Number: 04

1. PRODUCT IDENTIFICATION

Trade Name (as labeled): T.E.R.M.[®] (Temporary Endodontic Restorative Material)
Chemical Name/Classification: No name assigned
Product Identifier (Part/Item Number): 670300 - 670302 All package configurations
U.N. Number: Not applicable
U.N. Dangerous Goods Classification: Not applicable
Recommended Use: Temporary endodontic restorative material for dental use.
Restrictions on Use: Not applicable
Manufacturer/Supplier Name: DENTSPLY Tulsa Dental Specialties
Manufacturer/Supplier Address: 608 Rolling Hills Drive Johnson City, Tn, 37604
Manufacturer/Supplier Telephone Number: 1-800-924-7393 (Product Information)
Emergency Contact Telephone Number: 1-800-262-8200
Email address: chemtrec@chemtrec.com

2. HAZARD(s) IDENTIFICATION

Hazard/Danger Classification:

Health	Environmental	Physical
Not applicable	Not applicable	Not applicable

Associated Hazards:

Hazard Statements	Precautionary Statements
Avoid contact with eyes. Material may be a skin irritant. May be harmful if swallowed.	Wear eye/face protection. Wash hands thoroughly after handling. Wear protective gloves.

DENTSPLY Tulsa Dental Specialties

Safety Data Sheet

Conforms with OSHA Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012



Warning Causes Skin Irritation



Xi - Irritant/Harmful

EU Classification: Not applicable

EU Risk (R) and Safety (S) Phrases: Not applicable

Refer to Section 16 for the full text of the EU Classifications and R Phrases.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Hazardous Components	C.A.S. # EC#	IUPAC Name	Substance Classification	WT %
Aluminum Oxide	1344-28-1	Not applicable	Not applicable	< 2%
Silica amorphous	7631-86-9	Not applicable	Not applicable	< 10%
Silica fused	60675-86-0	Not applicable	Not applicable	< 15%
Barium aluminoborosilicate glass	65997-17-3	Not applicable	Not applicable	< 48%
Urethane dimethacrylate resin	105883-40-7	Not applicable	Not applicable	< 25%

Refer to Section 16 for the full text of the GHS and H phrases and EU Classifications and R Phrases.

4. FIRST-AID MEASURES

Routes of Exposure	First Aid Instructions
Eye	In case of eye contact immediately flush with running water for 15 minutes. Get immediate medical attention even if no symptoms develop.
Skin	In case of skin contact immediately wash with soap and water. Get immediate medical attention.
Inhalation	Not applicable
Ingestion	If ingestion occurs give 2 glasses of water to drink. Get immediate medical attention.
Most important symptoms of exposure	Not applicable
Other	Not applicable

Note to Physicians (Treatment, Testing, and Monitoring): Not applicable

DENTSPLY Tulsa Dental Specialties





Safety Data Sheet

Conforms with OSHA Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Water, foam, CO2 or dry chemical.
Fire Fighting Procedures:	Wear full protective clothing and self-contained breathing apparatus.
Specific Hazards Arising from the Chemical:	During a fire, irritating gas may be present from the decomposition of the dimethacrylate resins.
Precautions for Fire Fighters:	Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus for all fires involving chemicals.

Recommended Protective Equipment for Fire Fighters:

EYES/FACE	SKIN	RESPIRATORY	THERMAL
			




6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, PPE and Emergency Procedures: Scoop up bulk material and place in labeled plastic or metal container. Avoid gross contact to minimize the possibility of contact to dermatitis sensitive individuals.

Environmental Precautions: Material is sensitive to light. Store away from food and beverages. Avoid storage conditions above 50°C.

Methods and Materials for Containment and Clean-up: Wipe up with rags immediately. Discard in trash. Avoid gross contact to minimize the possibility of contact to dermatitis sensitive individuals. Dispose of container and unused contents in accordance with Federal, State and local regulations.

Recommended Personal Protective Equipment for Containment and Clean-up:

EYES/FACE	SKIN	RESPIRATORY	THERMAL
			

7. HANDLING AND STORAGE

Precautions for Safe Handling: Handling of this product should be by trained dental healthcare professionals only.

DENTSPLY Tulsa Dental Specialties

Safety Data Sheet

Conforms with OSHA Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012

Conditions for Safe Storage: Store in a dry area, away from direct sunlight. Maximum storage temperature is 50°C (122°F). Normal storage is at room temperature. Store away from food and beverages. Observe normal warehouse handling procedures.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits: Not applicable

Biological Exposure Limits: Not applicable

Appropriate Engineering Controls: Not required for general handling.

Individual Protection Measures (PPE)

Specific Eye/face Protection: Protective goggles

Specific Skin Protection: Glove material must be impermeable and resistant to product: latex or vinyl.

Specific Respiratory Protection: None required during normal use of this product.

Specific Thermal Hazards: Not applicable

Recommended Personal Protective Equipment

EYES/FACE	SKIN	SKIN
		

Environmental Exposure Controls: Avoid conditions above 50°C. Material is sensitive to light.

General Hygiene Considerations and Work Practices: Observe normal care when working with chemicals. Avoid eye and skin contact, inhalation and ingestion. Do not eat, drink or smoke when using.

Protective Measures During Repair and Maintenance of Contaminated Equipment: Not applicable

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Creamy paste	Explosive limits:	Not applicable
Odor:	Sweet acrylic ester odor.	Vapor pressure:	Not applicable
Odor threshold:	Not applicable	Vapor density:	Not applicable

DENTSPLY Tulsa Dental Specialties

Safety Data Sheet

Conforms with OSHA Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012

pH:	Not applicable	Relative density:	2.2 g/cm ²
Melting/freezing point:	Not applicable	Solubility:	Insoluble
Initial boiling point and range:	Not applicable	Partition coefficient: n-octanol/water:	Not tested
Flash point:	Not applicable	Auto-ignition temperature:	Not applicable
Evaporation rate:	Not applicable	Decomposition temperature:	Not applicable
Flammability:	Not applicable	Viscosity:	Not applicable
Explosive Properties:	Not applicable	Oxidizing Properties:	Not applicable

10. STABILITY AND REACTIVITY

Reactivity: Elevated temperatures and oxidizing materials. Product is sensitive to visible light and will harden if exposed to visible light. Heat greater than 50°C.

Chemical Stability: Stable

Possibility of Hazardous Reactions: Reaction with strong oxidizing materials

Conditions to Avoid: Bright visible lights and elevated temperatures, heat greater than 50°C (122°F).

Incompatible materials: Strong oxidizing materials

Hazardous Decomposition Products: Irritating gases, CO (carbon monoxide) and CO₂ (carbon dioxide).

11. TOXICOLOGICAL INFORMATION

Signs and Symptoms of Overexposure: Dermal redness or irritation, severe allergic response may result in breathing difficulties.

Emergency Overview: Ingestion – Consult a physician / Skin contact – Wash with soap and water. / Eye contact – Flush with water for 15 minutes and consult a physician.

Likely Routes of Exposure	Signs and Symptoms	Single, Repeated, or Lifetime Exposure	Severity (Mild, Moderate, Severe)	Acute and Chronic Health Effect(s)	Target Organ(s)	LD50 Testing Data (as applicable)	LC50 Testing Data (as applicable)
Eye:	Can cause eye irritation and possible corneal damage.	Single	Mild	Not applicable	Not applicable	Not listed	Not listed

DENTSPLY Tulsa Dental Specialties

Safety Data Sheet

Conforms with OSHA Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012

Skin:	Exposure can cause irritation. Material may be a skin irritant. Susceptible person with known allergies to methacrylates and acrylates may develop allergic response.	Single	Mild	Not applicable	Not applicable	Not listed	Not listed
Inhalation:	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not listed	Not listed
Ingestion:	Ingestion may cause nausea.	Single	Mild	Not applicable	Not applicable	Not listed	Not listed
Other:	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not listed	Not listed
Medical Conditions Aggravated by Exposure: Open sores and wounds of the skin. Individuals with known sensitivity to methacrylates, acrylates or urethane dimethacrylates.							
Carcinogenicity: None known							

12. ECOLOGICAL INFORMATION

Toxicity: Not listed

Persistence and Degradability: Not listed

Bio-accumulative Potential: Not listed

Mobility in Soil: Not listed

Other Adverse Effects: Not listed

Results of PBT/vPvB Assessment: Not listed

13. DISPOSAL CONSIDERATIONS

Regulations: Dispose of container and unused contents in accordance with Federal, State and local regulations.

Properties (Physical/Chemical) Affecting Disposal: Not applicable

Waste Treatment Recommendations: Dispose of container and unused contents in accordance with Federal, State and local regulations.

14. TRANSPORT INFORMATION

In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

UN number : No dangerous good in sense of transport regulations.

DENTSPLY Tulsa Dental Specialties

Safety Data Sheet

Conforms with OSHA Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012

UN proper shipping name: Not applicable
Transport hazard class(es) Not applicable
Packing group: Not applicable
Environmental hazards Other information: No supplementary information available.
Special precautions for user: Not applicable
Overland transport: No additional information available
Transport by sea: No additional information available
Air transport: No additional information available
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable

15. REGULATORY INFORMATION

U.S. Federal Regulations

Comprehensive Environmental Response and Liability Act of 1980 (CERCLA): This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under Federal, State and local regulations.

Toxic Substances Control Act (TSCA): Not applicable

Clean Water Act (CWA): Not applicable

Clean Air Act (CAA): Not applicable

Superfund Amendments and Reauthorization Act (SARA) Title III Information: Not applicable

SARA Section 311/312 (40 CFR 370) Hazard Categories: Not applicable

Immediate Hazard:	Not applicable	Pressure Hazard:	Not applicable
Delayed Hazard:	Not applicable	Reactivity Hazard:	Not applicable
Fire Hazard:	Not applicable		

This product contains the following toxic chemical(s) subject to reporting requirements of SARA Section 313 (40 CFR 372):

Components	C.A.S. #	WT %
Not applicable	Not applicable	Not applicable

DENTSPLY Tulsa Dental Specialties

Safety Data Sheet

Conforms with OSHA Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012

State Regulations

California: This product does not contain any chemical known to the State of California to cause cancer, birth defects or reproductive harm:

Components	C.A.S. #	WT %
Not applicable	Not applicable	Not applicable

International Regulations

Canadian Environmental Protection Act: This product is a medical device and is not subject to chemical notification requirements.

Canadian Workplace Hazardous Materials Information System (WHMIS): Not applicable

European Inventory of Existing Chemicals (EINECS): This product is a medical device and is not subject to chemical notification requirements

16. OTHER INFORMATION

Full text of Classification abbreviations used in Section 2 and 3:

Hazard/Danger Classification:

Health – N/A

Environmental – N/A

Physical –N/A

Associated Hazards:

Hazard Statements:

- Avoid contact with eyes.
- Material may be a skin irritant.
- May be harmful if swallowed.

Precautionary Statements:

- Wear eye/face protection.
- Wash hands thoroughly after handling.
- Wear protective gloves.

EU Classification -Not applicable

EU Risk (R) and Safety (S) Phrases- Not applicable

Hazardous Components:

- Aluminum Oxide
- Silica amorphous
- Silica fused
- Barium aluminoborosilicate glass
- Urethane dimethacrylate resin

C.A.S.#, EC#:

- 1344-28-1
- 7631-86-9
- 60675-86-0
- 65997-17-3
- I05883-40-7

LUPAC Name- Not applicable

Substance Classification -Not applicable

WT%:

- <2%

DENTSPLY Tulsa Dental Specialties

Safety Data Sheet

Conforms with OSHA Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012

- <10%
- < 1 5%
- <60%
- <25%

Date of SDS Preparation: August 9, 2014

Data Sources: DENTSPLY Tulsa Dental Specialties Safety Data Sheet