



175 Pineview Drive, AMHERST NY 14228
2785 Skymark Ave. Unit 1, Mississauga, Ontario L4W 4Y3

M S D S

Material Safety Data Sheet
For emergency only call INFOTRAC: 1-800-535-6053
In Canada, call CANUTEC: 613-996-6666

Tetric EvoCeram

Page 1

FOR PROFESSIONAL DENTAL USE ONLY

Section 1: Product Identification & Use

Light Curing low-shrinkage Dental Restorative

Product Tetric EvoCeram

Product # 590284 - 590291, 590293 - 590349

Section 2.1: Hazardous Ingredients

Component	% Range	CAS#	PEL*	TLV*	LD50/LC50/TDL _o
Bis-GMA	5-10	1565-94-2	n.av.	n.av.	n.av.
Ethoxylated Bis-EMA	1-5	41637-38-1	n.av.	n.av.	n.av.
Urethane dimethacrylate	5-10	72869-86-4	n.av.	n.av.	n.av.

LD-50 (oral rat)
> 5000 mg/kg

Section 2.2: Other Ingredients

*All Exposure limits are in milligram per cubic meter of air (mg/m³)

Component	% Range	CAS#	PEL*	TLV*	LD50/LC50/TDL _o
Barium glass filler, silanised	30-40	n.av.	n.av.	n.av.	n.av.
Ytterbiumtrifluoride	1-5	13760-80	n.av.	n.av.	n.av.
Mixed oxide, silanised	5-10	n.av.	n.av.	n.av.	n.av.
Copolymer	30-40	n.av.	n.av.	n.av.	n.av.

Section 3: Physical Data

Boiling Point °C:	n.ap.	Melting Point °C:	n. ap.	pH: n. det.
Vapor Pressure mm Hg:	n. ap.	Vapor Density air 1:	n. ap.	
Odor Threshold:	None	Specific Gravity H ₂ O—1g/cm ³ :	2.09 - 2.14 g/cm ³ (20 °C)	
Appearance / Odor:	off white to cream colored paste; no odor			

Section 4: Fire or Explosion Data

Flash Point °C:	> 150 °C	Autoignition °C:	n. ap.	Solubility in water:	< 0.1 %
Flammable Limits % In Air / Upper:	n. ap.	Lower:	n. ap.		
Extinguisher Media:	Water fog, carbon dioxide, foam, dry chemicals				
Other Fire and Explosion Hazards:	None				
Hazardous Combustion Products:	None				



175 Pineview Drive, AMHERST NY 14228
2785 Skymark Ave. Unit 1, Mississauga, Ontario L4W 4Y3

M S D S

Material Safety Data Sheet
For emergency only call INFOTRAC: 1-800-535-8053
In Canada, call CANUTEC: 613-996-6666

Tetric EvoCeram

Page 2

FOR PROFESSIONAL DENTAL USE ONLY

Section 5: Reactivity Data

Chemical Stability: stable **If No...Under What Conditions:** n.ap.
Incompatibility with other Substances: Yes
If So...Which Ones: Avoid exposure of product to light.
Reactivity and Under What Conditions: Avoid excessive heat and sunlight.
Hazardous Polymerization: Will not occur

Section 6: Toxicological Properties

Primary Routes of Entry: Ingestion, inhalation, eyes
Symptoms of Acute Exposure: The LD-50 (oral rat) for Tetric EvoCeram is > 5000 mg/kg.
Symptoms of Chronic Exposure: Prolonged or frequently repeated skin contact with the uncured material may cause allergic skin reactions.

Medical Conditions Generally Aggravated by Exposure: Resin Allergies

Carcinogen/ Potential Carcinogen:	No	NTP:	No	IARC	No	OSHA Reg.:	No
Teratogenicity:	No	Reproductive Toxicity:	No				
Embryo Toxin:	No	Sensitization:	No				

Section 7: Preventative Measures

Eyes: Safety goggles **Gloves:** Yes
Ventilation: Good general ventilation should be sufficient.
Respiratory Protection: Not required.
Leak and Spill Procedure: Clean up mechanically. Dispose of according to local and national regulations.
Waste Disposal Methods: Take to an approved landfill or a waste incineration plant, under conditions approved by the local authority.
Storage: Store at 2-28°C / 36-82°F.
Shipment: n.ap.
Other Preventative Measures: Avoid direct contact with eyes and skin.

Section 8: First Aid Measure

Inhalation: Remove victim to fresh air.
Ingestion: No hazards anticipated from swallowing small amounts incidentally to normal handling.
Eyes: Flush with plenty of water. Consult a physician if irritation persists.
Skin: Wash thoroughly with soap and water.

Section 9: Preparation Data

Prepared by: Anderjeet Gulati (716) 691-0010 **Date:** November 18, 2004 **Ref:**

Disclaimer: The information and recommendations are taken from sources believed to be accurate, however, Ivoclar Vivadent, Inc. makes no warranty with respect to the accuracy of the information or the suitability of the recommendation and assumes no liability to any user thereof.