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M S D S

Material Safety Data Sheet

For emergency only call INFOTRAC: 1-800-535-5053
In Canada, call CANUTEC: 613-996-6666

Tetric EvoCeram

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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				

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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:**

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