

175 Pineview Drive, AMHERST NY 14228
 23 Hannover Drive, ST. CATHARINES, ONTARIO L2W 1A3

Material Safety Data Sheet

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

FOR PROFESSIONAL DENTAL USE ONLY

Section 1: Product Identification & Use Crown and Bridge Material System

Product **Fermit® / Fermit N®**

Product # 6099003 / 6099006

Section 2: Hazardous Ingredients

Component	% Range	CAS#	PEL	TLV	LD50/LC50/TDL _o
Polyesterurethane dimethacrylate	15-60	n.av.	n.av.	n.av.	n.av.
Ethyl triglycole methacrylate*	5-10	39670-09-2	n.av.	n.av.	n.av.
High dispersed silica	10-30	10193-36-9	n.av.	10 mg/m ³	n.av.
Additional ingredients:					
Copolymer	30-60				LD-50 (oral rat) for Fermit & Fermit N > 5000 mg/kg
Cataysts and Stabilizers	0.1-1				

* included in Fermit N only

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 :	1.32 - 1.35 g/cm ³ (20 °C)	
Appearance / Odor:	Paste, off-white to pale yellow / practically odorless			

Section 4: Fire or Explosion Data

Flash Point °C:	> 150 °C	Autoignition °C:	n. av.	Solubility in water:	< 0.5 %
Flammable Limits % In Air / Upper:	n. av.	Lower:	n. av.		
Extinguisher Media:	Water fog, carbon dioxide, foam, dry chemicals				
Other Fire and Explosion Hazards:	None				
Hazardous Combustion Products:	When heated to decompositon, may emit irritating smoke and fumes.				

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Section 5: Reactivity Data

Chemical Stability: Stable **If No... Under What Conditions:** n. ap.
Incompatibility with other Substances: n. ap.
If So... Which Ones: n. ap.
Reactivity and Under What Conditions: n. ap.
Hazardous Polymerization: Will not occur

Section 6: Toxicological Properties

Primary Routes of Entry: Inhalation, ingestion, eyes
Symptoms of Acute Exposure: LD-50 (oral rat) is > 5000 mg/kg.
Symptoms of Chronic Exposure: Prolonged or repeated exposure to uncured material may cause irritation of the skin and eyes.

Medical Conditions Generally Aggravated by Exposure: Uncured material: Direct contact may cause eye irritation. Skin: repeated or prolonged exposure may cause slight irritations. This material is contraindicated if a person is known to be allergic to any ingredients in this product.

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: Yes
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 open packages at 12-28°C / 54-82°F. Cool storage of 2-8°C / 36-46°F is indicated for larger stock.
Shipment: n. ap.
Other Preventative Measures: Avoid inhalation or exposure to light. Only adequately trained personnel should handle this product.

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: Peter Mancuso (716) 691-0010 **Date:** July 16, 1998 **Ref:**

Disclaimer: The information and recommendations are taken from sources believed to be accurate; however, Ivoclar North America 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.