

MATERIAL SAFETY DATA SHEET

SECTION I - Product/ Company Identification

Product Trade Name: LIGHT CURE HYBRID COMPOSITE
Part (Item) Number(s): 101-XXXX-001
Manufacturer Name: DENTAL TECHNOLOGIES, INC.
Address: 6901 N. HAMLIN AVENUE
City State Zip: LINCOLNWOOD, IL 60712 U.S.A.
Emergency Telephone Number: (800) 424-9300 (Chemtrec)
Information Telephone Number: (800) 835-0885 / (847) 677-5500
Date Revised: Jun 12, 2006 Rev 002

SECTION II - Hazardous Ingredients / Identity Information

Hazardous Components:	Concentration	CAS No.	OSHA PEL	ACGIH TLV	OTHER LIMITS
Silanated Barium Glass	65 - 75 %	[65997-18-4]	N/E	N/E	
Bisphenol diglycidylmethacrylate	10 - 20 %	[1565-94-2]	N/E	N/E	
Silanated silica	5 - 15 %	N/E	N/E	N/E	
Blend of multifunctional methacrylates	< 10%	N/E	N/E	N/E	
Photoinitiators	< 5 %	N/E	N/E	N/E	

SECTION III - Hazards Identification

HAZARD CLASSIFICATION Harmful if swallowed. Irritating to eyes and respiratory system. Can irritate sensitive skin.
May cause sensitization after prolonged skin contact.

SECTION IV - First Aid Measures

Skin: Wash off with soap and water. Remove contaminated clothing. If irritation persists consult a physician.
Ingestion: Do not induce vomiting, seek medical attention.
Eyes: Flush with plenty of water. Seek medical attention by an ophthalmologist.
Inhalation: Remove to fresh air, give oxygen and seek immediately medical attention.

SECTION V - Fire-fighting Measures.

Suitable extinguishing Media: Chemical Foam, Carbon Dioxide, or Dry Chemical
Forbidden extinguish Media: Unknown
Special Exposure Hazards: None. Wear self contained breathing equipment
Unusual fire and explosion hazards: Heat can initiate exotherm polymerization.
Special Protection Equipment: None. During emergency conditions, overexposure to thermal decomposition products may cause health hazard.

SECTION VI - Accidental release measures

Personal Precautions: See sections VII and VIII. Avoid contact with skin, soft tissue or eye. Use good personal hygiene.
Environmental Precautions: Do not dump in sewer any spilled material.
Methods for Cleaning up: Clean up using impervious gloves, wipe up with paper towels and dispose of in an approved manner.

SECTION VII - Handling and Storage

Handling: Avoid unnecessary exposure.

Storage: Room temperature, preferably cool, dry place, out of sunlight and/or intense light
Containers: Keep in original container supplied by manufacturer.
Incompatibilities: Peroxides, Amines, Oxidizing or Reducing Agents, Zinc Oxide Eugenol
Other Precautions: Use according to directions. Avoid contact with eyes, skin and soft tissue.

SECTION VIII - Exposure Controls / Personal Protection.

General Measures: Ventilation: good general ventilation
Limits: TWA: Not determined; PEL: not determined.
Respiratory protection: Avoid prolonged breathing vapors of the uncured material
Hands Protection: Impervious Gloves
Eye Protection: Safety Glasses or Goggles.
Skin Protection: Respect good personal hygiene practice. Avoid unnecessary exposure.
Other Equipment: Lab Coat.

SECTION IX - Physical and Chemical Properties.

Appearance:	Tooth colored thick paste	Explosion Limits:	N/A
Vapor Density	N/A	Flash Point	N/A
Odor	Faint acrylic odor	Water solubility:	Insoluble
Vapor Pressure	N/A	Specific Gravity	N/E
Boiling Point:	N/A	Evaporation Rate:	N/A

SECTION X - Stability and Reactivity.

Stability: Stable under normal storage conditions
Conditions to avoid: Temperatures over 27 °C / 80 °F, direct sunlight or high intensity light.
Materials to avoid: Oxidizing agents, chlorine compounds, chloroform, alkalis, acids.
Hazardous Decomposition Products: Carbon Oxides
Hazardous Polymerization Products: May occur

SECTION XI - Toxicological Information.

Ingestion: May cause indigestion.
Eye contact: May cause irritation, pain, eye burns or eye damage.
Skin Contact: May cause cause irritation or rash for persons with preexistent skin sensitivity.
Inhalation: No harmful effects at room temperature.
Prolonged exposure: N/A

SECTION XII - Ecological Information.

There is no specific information on the product. Use according to good working practice.
Avoid releasing the product into environment.

SECTION XIII - Disposal Considerations.

Incinerate or dispose according to local regulations.

SECTION XIV - Transport Information.

SEA TRANSPORTATION

Substances determining Hazard: None
IMCO # N/A

ROAD / RAILWAY TRANSPORTATION:

RID/ADR N/A
Class N/A

UN #	N/A	Hazard Identification #	N/A
<u>AIR TRANSPORTATION</u>		Substance Identification #	N/A
ICAO/IATA Class	N/A	Hazard Label	N/A
Substances determining Hazard:	none		

SECTION XV - Regulatory Information

CLASSIFICATION IN ACCORDANCE WITH EEC DIRECTIVES.

Hazard Classification Symbol:	Xn	
	R22	Harmful if swallowed.
	R36/37/38	Irritating to eyes, respiratory system and skin
	R43	May cause sensitization by skin contact
	S36	Wear protective clothing

Ingredients Determining the label:

SECTION XVI - Other Information

None

CAUTION: PRODUCT FOR PROFESSIONAL USE ONLY.

The above information is based on presently available data and to our best knowledge for handling the product under normal conditions. Any use of this product in any way not indicated on this document or using it together with any other process/procedure will be exclusively under the user's responsibility.