

MATERIAL SAFETY DATA SHEET

SECTION I - Product/ Company Identification

Product Trade Name: **Alpha-Dent® Light Cure Bonding Adhesive**
Part (Item) Number(s): 206-0101, 206-0102

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 / (703) 527-3887 (Chemtrec)
Information Telephone Number: (800) 835-0885 / (847) 677-5500
Date Revised: 21-Nov-2008 Rev No. 003

SECTION II - Hazardous Ingredients/Identity Information

Hazardous Components:	Concentration	CAS NO.	OSHA PEL	ACGIH TLV
Bis-GMA	20 - 30 %	1565-94-2	NE	NE
Diurethane Dimethacrylate	20 - 30 %	NE	NE	NE
Hydroxyethyl methacrylate	15 - 25 %	868-77-9	NE	NE
Blend of multifunctional methacrylates	15 - 25 %	NE	NE	NE
Photo initiator	< 5 %		NE	NE

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.

Fire hazard: Heat can initiate exothermic polymerization.
Explosion Limits: NA
Forbidden extinguish Media: Unknown
Suitable fire extinguishing Media: Chemical Foam, Carbon Dioxide, or Dry Chemical
Special Protection Equipment: Normal fire fighting protection equipment
Special Exposure Hazards: None. Wear self contained breathing equipment

SECTION VI - Accidental Release Measures

Personal Precautions: See sections VII and VIII. Remove the sources of ignition and ventilate area.

Environmental Precautions: Do not dump in sewer the spilled material.
 Methods for Cleaning up: Clean up using impervious gloves and dispose of in an approved manner. Use paper towels or vermiculite as absorbent.

SECTION VII - Handling and Storage

Handling: Avoid unnecessary exposure.
 Storage: Room temperature, preferably cool, dry place, out of sunlight.
 Keep away from sources of ignition.
 Containers: Store in original containers. Keep tightly closed.
 Incompatibilities: Peroxides, Amines, Oxidizing or Reducing Agents.
 Other Precautions: Use according to directions. Avoid contact with eyes, skin and soft tissue.

SECTION VIII - Exposure Controls / Personal Protection.

Exposure Limits: Component	OSHA-PEL		ACGIH-TLV	
	TWA	STEL	TWA	STEL
	Not determined	Not determined	Not determined	Not determined

General Protective Measures:
 General ventilation: Good general ventilation
 Respiratory protection: Avoid prolonged breathing vapors of the uncured material
 Hands Protection: Impervious Gloves
 Eye Protection: Safety Glasses or Goggles.
 Skin Protection: Follow good personal hygiene practice. Avoid unnecessary exposure.
 Other Equipment: Lab Coat over clothing is recommended.

SECTION IX - Physical and Chemical Properties.

Appearance:	Viscous liquid	Explosion Limits:	Not determined
Odor	Fruity ester-like	Flash Point	Not determined
Vapor Pressure	Not determined	Water solubility:	Insoluble
Boiling Point:	Not determined	Evaporation Rate:	Not determined
Specific gravity	1.11	Vapor Density	Not determined

SECTION X - Stability and Reactivity.

Stability: Stable in normal storage conditions
 Conditions to avoid: Temperatures over 40 °C, sources of ignition and contamination
 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.

No specific ecological data are available for this product. Refer to Section VI for environmental precautions.

SECTION XIII - Disposal Considerations.

Incinerate or dispose according to local regulations.

SECTION XIV - Transport Information.

SEA TRANSPORTATION

Substances determining Hazard: None
IMCO # N/A
UN # N/A

AIR TRANSPORTATION

ICAO/IATA Class N/A
Substances determining Hazard: None

ROAD / RAILWAY TRANSPORTATION:

RID/ADR N/A
Class N/A
Hazard Identification # N/A
Substance Identification # N/A
Hazard Label N/A

SECTION XV - Regulatory Information

CLASSIFICATION IN ACCORDANCE WITH EEC DIRECTIVES.

Hazard Classification Symbol: Xn

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

SECTION XVI - Other Information

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.