

MATERIAL SAFETY DATA SHEET

SECTION I - Product/ Company Identification

1.1	Product Trade Name:	Alpha-Dent® Light Cure Bracket Adhesive		
1.2	Part (Item) Number(s):	303-0000-001; 303-0002-001; 303-0003-001; 303-0005-001		
1.3	Division Name:	DENTAL TECHNOLOGIES, INC.		
1.4	Address:	6901 N. HAMLIN AVENUE		
	City State Zip:	LINCOLNWOOD, IL 60712 U.S.A.		
1.5	Emergency Telephone Number:	(800) 424-9300 / (703) 527-3887 (Chemtrec)		
1.6	Information Telephone Number:	(800) 835-0885 / (847) 677-5500		
1.7	Date Revised:	23-Aug-10	Rev	003

SECTION II - Hazardous Ingredients / Identity Information

HAZARDOUS COMPONENTS	%	CAS NO.	SYMBOL	R	OTHER LIMITS
Bisphenol Diglycidylmethacrylate (Bis-GMA)		[1565-94-2]	N/E	43	
Blend of multifunctional methacrylates		N/E	N/E	N/E	
Barium-borosilicate glass		N/E	N/E	N/E	
Sodium Fluoride		[7681-49-4]	N/E	N/E	
Initiator		N/E	N/E	N/E	
Amine		[3077-12-1]	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.

The product is not considered to be a fire hazard. The information below are given for extinguishing a fire generated by other sources.

Suitable extinguishing Media: Water, 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 cause polymerization with rapid release of energy.
Special Protection Equipment: Self contained breathing apparatus if toxic fumes are generated.

SECTION VI - Accidental release measures

Personal Precautions: See sections VII and VIII. Remove the sources of ignition and ventilate area.
Environmental Precautions: Keep spilled material out of sewers.
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: Supplied by manufacturer.
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.

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:	Viscous tinted paste.	Explosion Limits:	Not determined
Vapor Density	Not determined	Flash Point	Not determined
Odor	Slightly acrylic	Water solubility:	Insoluble
Vapor Pressure	Not determined	Specific Gravity	1.85 g / ml.
Boiling Point:	Not determined	Evaporation Rate:	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:	Uncured material may be harmful or fatal if swallowed.
Eye contact:	May cause irritation and damage if not removed promptly.
Skin Contact:	May cause irritation or rash for persons with preexistent skin sensitivity.
Inhalation:	Prolonged or excessive inhalation may cause respiratory track irritation.
Prolonged exposure:	N/A

SECTION XII - Ecological Information.

There is no specific information on the product. Use according to good working practice.

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

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:

Uncured Methacrylate Esters

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.
