

MATERIAL SAFETY DATA SHEET

SECTION I - Product/ Company Identification

1.1 Product Trade Name: ALPHA II AP (MICRO-HYBRID COMPOSITE)
1.2 Part (Item) Number(s): 102-0101-002; 102-0201-002; 102-0301-002; 102-0401-002
102-0501-002; 102-0601-002; 102-0701-002; 102-0801-002
102-0901-002; 102-1001-002; 102-1101-002; 102-1201-002
102-1401-002; 102-1501-002; 102-1601-002; 102-1701-002
102-1801-002; 102-1901-002; 102-0102-002; 102-0202-002
102-0302-002; 102-0402-002; 102-0502-002; 102-0602-002
102-0702-002; 102-0802-002; 102-0902-002; 102-1002-002
102-1102-002; 102-1202-002; 102-1402-002; 102-1502-002
102-1602-002; 102-1702-002; 102-1802-002; 102-1902-002
1.3 Manufacturer: 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: 07-Oct-04 Rev. 001

SECTION II - Hazardous Ingredients/Identity Information

Hazardous Components:	CAS NO.	OSHA PEL	ACGIH TLV	OTHER LIMITS
Bisphenol diglycidylmethacrylate (Bis-GMA)	[1565-94-2]	N/E	N/E	
Blend of multifunctional methacrylates	(N/E)	N/E	N/E	
Barium-aluminum-boro-silica glass	[65997-18-4]	N/E	N/E	
Photoinitiators	N/E	N/E	N/E	

SECTION III - Physical/Chemical Characteristics

3.1 Boiling point: N/A
3.2 Vapor pressure: N/A
3.3 Vapor density: N/A
3.4 Solubility in water: Insoluble
3.5 Appearance and odor: Tooth colored viscous paste, with faint acrylic odor
3.6 Specific Gravity: (H₂O = 1) N/A
3.7 Melting Point: N/A
3.8 Evaporation rate: (Butyl Acetate = 1) N/A

SECTION IV - Fire and Explosion Hazard Data

4.1 Flash point (method used): N/A
4.2 Flammability (explosive limits): N/A
LEL: N/A **UEL:** N/A
4.3 Extinguishing media: Chemical foam, carbon dioxide or dry chemical.
4.4 Special Fire Fighting Procedures: NONE
4.5 Unusual fire and explosion hazards: NONE KNOWN

SECTION V - Reactivity Data

5.1 Stability: **Unstable:** **Stable:** X
5.2 Conditions to avoid (stability): Temperatures above 27C/80F, direct sunlight, or high intensity light (greater than 1000 lux).
5.3 Incompatibility (material(s) to avoid): Peroxides; strong oxidizing agents.
5.4 Hazardous decompositions or byproducts: N/A
5.5 Hazardous polymerization: **May occur:** **Will not occur:** X

SECTION VI - Health Hazard Data

6.1 Route(s) of entry: **Inhalation?:** N/A **Skin?:** Yes

6.2 Health hazards (acute and chronic):	Ingestion?: Yes Skin irritation may occur for some people with pre-existing skin sensitivity. Uncured resins may cause eye irritation.
6.3 Carcinogenicity:	NTP?: N/A IARC monographs?: N/A
6.4 Signs and symptoms of exposure:	OSHA Regulated?: N/A Itching, redness, burning sensation on skin of sensitive persons. Severe eye irritation.
6.5 Medical conditions generally aggravated by exposure:	Allergic or pre-existing skin sensitivity may be aggravated.
6.6 Emergency first aid procedures:	Skin: Wash off with soap and water. If irritation persists consult a physician. Ingestion: Do not induce vomiting, seek medical attention. Inhalation: N/A Eye Contact: Flush eyes with plenty of water, seek medical attention.

SECTION VII - Precautions for Safe Handling and Use

7.1 Steps to be taken in case material is released or spilled:	Clean up using gloves, wiping with paper towels. Dispose in an approved manner.
7.2 Waste disposal methods:	Dispose of according to local, state and federal regulations.
7.3 Precautions to be taken in handling and storage:	Store 10C/50F to 24C/75F. Do not freeze. Bring to room temperature before using (22C/72F).
7.4 Other precautions:	Do not take internally. Wash hands after use.

SECTION VIII - Control Measures

8.1 Respiratory protection:	Generally not necessary.
8.2 Ventilation:	Local Exhaust: Recommended. Mechanical: Normal ventilation
8.3 Protective gloves:	Recommended.
8.4 Eye protection:	Recommended.
8.5 Other protective clothing or equipment:	NONE
8.6 Work/Hygienic practices:	Normal safe practices, use only in a highly professional manner.

NFPA HAZARD CLASSIFICATIONS	
Health	1
Flammability	0
Reactivity	1
Specific Hazard	N/A

NFPA - National Fire Protection Association
N/A - Not Applicable
N/E - Not Established