

# MATERIAL SAFETY DATA SHEET

## SECTION I - Product/ Company Identification

1.1 Product Trade Name: ALPHA-FLOW (FLOWABLE MICRO-HYBRID COMPOSITE)  
1.2 Part (Item) Number(s): 103-0102-002; 103-0202-002; 103-0302-002; 103-0402-002; 103-0702-002;  
103-0802-002; 103-0902-002; 103-1002-002; 103-1202-002; 103-1502-002  
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 (Chemtrec)  
1.6 Information Telephone Number: (800) 835-0885 / (847) 677-5500  
1.7 Date Revised: 30-Aug-06 Rev 002

## SECTION II - Hazardous Ingredients / Identity Information

Hazardous Components:	Concentration	CAS NO.
Mixture of Uncured Methacrylate Ester Monomers	40 - 70 %	NA

## 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.

## 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: 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.

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**SECTION IX - Physical and Chemical Properties.**

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Appearance:	Paste	Explosion Limits:	Not determined
Vapor Density	Not determined	Flash Point	Not determined
Odor	Fruity ester-like	Water solubility:	Insoluble
Vapor Pressure	Not determined	Specific Gravity	2.3 - 2.8 g / ml.
Boiling Point:	Not determined	Evaporation Rate:	Not determined

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**SECTION X - Stability and Reactivity.**

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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

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**SECTION XI - Toxicological Information.**

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Ingestion:	May cause indigestion or may be fatal
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

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**SECTION XII - Ecological Information.**

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

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**SECTION XIII - Disposal Considerations.**

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Incinerate or dispose according to local regulations.

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**SECTION XIV - Transport Information.**

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**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**

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**SECTION XV - Regulatory Information**

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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

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**SECTION XVI - Other Information**

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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.

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