

# MATERIAL SAFETY DATA SHEET

## SECTION I - Product/ Company Identification

1.1 Product Trade Name: ONE-STEP ORTHODONTIC ADHESIVE PASTE  
1.2 Part (Item) Number(s): 301-0101, 301-0102, 301-0103, 301-0104  
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: 20-Sep-05 Rev 002

## SECTION II - Hazardous Ingredients/Identity Information

Hazardous Components:	Concentration	CAS NO.	OSHA PEL	ACGIH TLV	OTHER LIMITS
Bis GMA	15 - 25 %	1565-94-2	N/E	N/E	
Silica	65 - 80 %	7631-86-9	N/E	N/E	
Alkyl dimethacrylate	0 - 10 %	109-16-0	N/E	N/E	
Peroxide Initiator	< 5 %	94-36-0	N/E	N/E	

## SECTION III - Hazards Identification

HAZARD CLASSIFICATION Harmful if swallowed

## SECTION IV - First Aid Measures

Skin: Wash off with soap and water. 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: N/A

## 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 exothermic polymerization.  
Special Protection Equipment: Unknown

## SECTION VI - Accidental release measures

Personal Precautions: See sections VII and VIII  
Environmental Precautions: Do not dump in sewer any spilled material.  
Methods for Cleaning up: Clean up using impervious gloves and dispose of in an approved manner.

## SECTION VII - Handling and Storage

Handling: Avoid unnecessary exposure.  
Storage: Room Temperature or lower. Do not freeze, Keep dry and away from sources of heat.  
Containers: Supplied by manufacturer.  
Incompatibilities: Amines and reducing agents  
Other Precautions: Use according to directions. Avoid contact with eyes, skin and soft tissue.

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**SECTION VIII - Exposure Controls / Personal Protection.**

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General Measures: Ventilation: good general ventilation  
Limits: TWA: not determined; PEEL not determined  
Respiratory protection: Generally not necessary  
Hands Protection: Impervious Gloves recommended  
Eye Protection: Safety Glasses or Goggles recommended  
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:	Viscous tinted paste	Explosion Limits:	Not Determined
		Flash Point	Not determined
Odor	Slight acrylic	Water solubility:	Insoluble
Vapor Pressure	Not Determined	Specific Gravity	Not Determined
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 and contamination
Materials to avoid:	Amines and reducing agents
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
Eye contact:	May cause irritation, pain, eye burns or permanent eye damage.
Skin Contact:	May cause irritation or rash for persons with preexistent skin sensitivity.
Inhalation:	Inhalation may cause irritation of the respiratory system.
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.  
Avoid releasing the product into environment.

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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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Substances determining Hazard: Methacrylic Monomers

SEA TRANSPORTATION

IMCO # N/A  
UN # N/A

AIR TRANSPORTATION

ICAO/IATA CLASS: N/A

1 GROUND TRANSPORTATION:

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

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**SECTION XV - Regulatory Information**

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CLASSIFICATION IN ACCORDANCE WITH EEC DIRECTIVES.

Hazard Classification Code:	Xi, Xn	Irritant and harmful
Risk Phrases	R22	Harmful if swallowed
	R36/37/38	Irritating to eyes, respiratory system and skin
Safety Phrases	S15	Keep away from heat
	S23	Do not breathe vapor
	S24/25	Avoid contact with skin and eyes
	S26/28	Wash with plenty of water
Ingredients Determining the label:		Methacrylate Esters Monomers

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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.