

# MATERIAL SAFETY DATA SHEET

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**SECTION I - Product/ Company Identification**

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Product Trade Name: **ALPHA-BOND® SE** Self Etch Adhesive  
Part (Item) Number(s): 211-0402  
Division Name: DENTAL TECHNOLOGIES, INC.  
Address: 6901 N. HAMLIN AVENUE  
City State Zip: LINCOLNWOOD, IL 60712 U.S.A.  
Emergency Telephone Number: (800) 424-9300 (Chemtrec)  
Information Telephone Number: (800) 835-0885 / (847) 677-5500  
Date Revised: 23-Jul-2013 Rev 000

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**SECTION II - Hazardous Ingredients / Identity Information**

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Hazardous Components:	Concentration	CAS NO.	OSHA PEL	ACGIH TLV	OTHER LIMITS
Acetone	30 - 45	[67-64-1]	1000 ppm	750 ppm	

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**SECTION III - Hazards Identification**

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May cause allergic skin reaction, eye irritation or respiratory tract irritation.  
Very flammable liquid and vapors. Vapors may cause flashfire. Explosive mixtures with air may occur at room temperature.  
May cause central nervous system depression.  
Harmful if swallowed or inhaled.

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**SECTION IV - First Aid Measures**

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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.

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**SECTION V - Fire-fighting Measures**

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Flammable liquid.  
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: Self contained breathing apparatus operated in positive pressure mode.

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**SECTION VI - Accidental release measures**

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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. Use non-sparking tools and equipment.

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**SECTION VII - Handling and Storage**

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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.

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

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General Measures: Ventilation: good general ventilation  
Limits: TWA: 1000 ppm; ACGIH TLV: 500 ppm (TWA).  
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:	Clear liquid	Explosion Limits:	2.5 - 12.8 % for Acetone
Vapor Density	3.5	Flash Point	- 4 °F for Acetone
Odor	Fragrant, mint-like.	Water solubility:	Soluble
Vapor Pressure	180 mm. Hg	Specific Gravity	0.8
Boiling Point:	56 °C	Evaporation Rate:	Faster than Butyl Acetate

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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:	Will not 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 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  
For Acetone: Oral LD50 rats 5800 mg. / kg; Inhalation LC50 rat: 50100 mg/m3.

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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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Substances determining Hazard:	Acetone
Domestic (Land, D.O.T.)	International (Water, I.M.O.)
Hazard Class: 3	Hazard Class: 3.1
UN/NA: UN1090	UN/NA: UN 1090
Packing Group: II	Packing Group: II

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**SECTION XV - Regulatory Information**

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CLASSIFICATION IN ACCORDANCE WITH EEC DIRECTIVES.

Hazard Classification Symbol:	Xi, F	
	R11	Highly flammable
	R20/21/22/	Harmful by inhalation, in contact with skin and if swallowed
	R36/37/38	Irritating to eyes, respiratory system and skin
	R41/42/43/48	May cause damage to eyes, sensitization by inhalation or skin contact
	S7	Keep container tightly closed
	S16	Keep away from sources of ignition - no smoking
	S36	Wear protective clothing
Ingredients Determining the label:		Acetone

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**SECTION XVI - Other Information**

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NFPA Ratings (for Acetone): Health 1; Flammability 3; Reactivity 1.

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.