

# Material Safety Data Sheet

Material Name <b>MedBond™ (formulated cyanoacrylate) N-Butyl Cyanoacrylate Monomer</b>
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Section I		
<b>Manufacturer's Name</b> CP MEDICAL	<b>For Chemical Emergency</b> Spill Leak Fire Exposure or Accident Call CHEMTREC Day or Night	<b>Emergency Telephone Number</b> 1-800-424-9300 <b>(International Number)</b> 703-527-3887
	<b>Address</b> 803 NE 25th Avenue Portland, OR 97232-2304	<b>Telephone Number for Information</b> 503-232-1555 <b>Date Prepared: 2/28/2006</b>

Section II - Hazardous Ingredients/Identity Information
Hazardous components Formaldehyde-approx. 50-100ppm

Section III - Physical/Chemical Characteristics			
Boiling Point	60° C @1mm Hg	Specific Gravity (H2O=1)	N/A
Vapor Pressure (mm Hg)	N/A	Melting Point	N/A
Vapor Density (AIR =1)	25°C	Evaporation Rate (Butyl Acetate =1)	N/A
Solubility in Water <b>Insoluble</b>			
Appearance and Odor Liquid, colorless to slightly yellow.			

Section IV - Fire and Explosion Hazard Data				
Flash Point (Method Used) 80° C (T.C.C)	Flammable Limits		LEL	UBL
Extinguishing Media Carbon Dioxide, dry chemical, foam, water spray				
Special Fire Fighting Procedures: Self-containing breathing apparatus.				
Unusual Fire Explosion Hazards: None				

Section V - Health Hazard Data	
Threshold Limit Value: No criteria for measurement. Not yet established.	
Effects of overexposure: N/A	
Emergency and First Aid Procedures: <b>Skin Contact:</b> Wash with soap and water. Remove contaminated clothing . Obtain medical attention if irritation develops. <b>Eye contact:</b> Bonds in seconds. Flush eyes with water. Do not force eyes open. Obtain medical attention. Cyanoacrylate will bond to eye proteins causing a lachrymatory effect. Cover with a wet pad until de-bonding is complete in about 1-3 days. <b>Ingestion:</b> Get immediate medical attention. Only induce vomiting if directed by a physician. Never give anything by mouth to an unconscious person. May cause upper sensitization and upper respiratory irritation. <b>Inhalation:</b> Remove to fresh air. If breathing is difficult, give oxygen. If unconscious, evaluate the need for artificial respiration. Get immediate medical attention.	

Section VI - Reactivity Data			
Stability	Unstable	X	Conditions to Avoid: Heat and high temperatures
	Stable		
Hazardous Decomposition Products: Will not occur under normal conditions			
Hazardous Polymerization	May occur	X	Conditions to Avoid
	Will not occur		

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## Section VII - Spill or Leak Procedures

Steps to be taken in case material is to be released or spilled:	Flood with water to polymerize. Soak up with an inert absorbent.
Waste Disposal Method:	Polymerize as above. Incinerate in accordance with EPA and local regulations.

## Section VIII - Special Protective Information

Respiratory Protection (Specify Type)		
None needed for normal use.		
Ventilation	Local Exhaust	Special
	Positive down draft	
	Mechanical	Other
Protective Gloves:	Eye Protection:	
Polyethylene gloves. Do not use cotton gloves.	Safety glasses or goggles	
Other Protective Equipment:		
Polyethylene/polypropylene aprons and coats (not rubber or cotton).		

## Section IX - Special Precautions

Precautions to be taken in handling and storing:	Store at below 30°C to maximize shelf life.
Other Precautions	Avoid contact with skin and eyes. Avoid breathing vapors.

## Section X - Regulatory Information

Estimated HMIS Code: Health Hazard(2) Fire Hazard (2) Reactivity (2)
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## Section XI- Transportation Information

<b>[Ground Transportation] DOT (49CFR172)</b>
For outer package weight greater than 30kg and/or less than 450L: NA 1993, Combustible liquid, n.o.s. (cyanoacrylate ester), 3, III.
For Outer package weight less than or equal to 30 kg and inner package quantities less than or equal to 5L: NA1993, Combustible liquid, n.o.s (cyanoacrylate ester), 3, III, LTD QTY [Spec pkg. not required].
For outer package weight less than or equal to 29kg and inner package quantities less than or equal to 30ML: Unrestricted (Small quantity exception). Outer Package must be marked with "This package conforms to 49 CFR 173.4".
<b>[Air Transportation] IATA</b>
For outer package weight greater than 100L but less than or equal to 220 UN3334, Aviation regulated liquid, n.o.s., (cyanoacrylate ester), 9, CARGO ONLY:
For package quantities greater than or equal to 500 ml but less than 100L: UN3334, Aviation regulated liquid, n.o.s., (cyanoacrylate ester), 9.
For outer package quantities less than 500 ml and inner package quantities less than 30 ML: Unrestricted (Excepted Quantity)

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