

Material Safety Data Sheet

IBD

15010 S. Main Street

Gardena, CA 90248

Information: (310) 324-6680, (800) 221-2743

Emergency: Chemtel (800) 255-3924

Product:

5 SECOND GEL GLUE

Date Prepared: 2/16/99

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SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS - Chemical Name & Common Names (Hazardous Components 1% or greater, Carcinogens 0.1% or greater)	%	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
Ethyl 2-cyanoacrylate (CAS No. 7085-85-0) (Super Glue)		not listed	not listed	
Polymethylmethacrylate (CAS No. 9011-14-7)		not listed	not listed	
Fumed Silica (CAS No. 69012-64-2)		not listed	not listed	
Polypropyleneglycol (CAS No. 25322-69-4)		not listed	not listed	
Non-Hazardous Ingredients				
	100			

SECTION 2 - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: 62 °C (144 °F) @ 5 mm Hg	Specific Gravity (H₂O = 1): 1.09 @ 25 °C (77 °F)
Vapor Pressure: 0.13 mm Hg @ 20 °C (68 °F) (mm Hg and Temperature)	Melting Point: < -20 °C (-4 °F)
Vapor Density: 4.3 (Air = 1)	Evaporation Rate: No data (Butyl acetate = 1)
Solubility in Water: Insoluble. Water causes rapid polymerization.	Water Reactive: Polymerizes
Appearance and Odor: Colorless liquid with pungent odor	

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method Used: 83 °C (181 °F) (Closed Cup)	Auto-Ignition Temperature: NA	Flammability Limits in Air % by Volume:	LEL 3.5%	UEL 19.0%
Extinguisher Media: Dry chemicals, carbon dioxide				
Special Fire Fighting Procedures: Self-contained breathing apparatus with facepiece and protective clothing to prevent contact with skin and eyes or vapor.				
Unusual Fire and Explosion Hazards: None known				

NA = Not available

SECTION 4 - REACTIVITY HAZARD DATA

STABILITY <input type="checkbox"/> Stable <input checked="" type="checkbox"/> Unstable	Conditions to Avoid: Heat, high humidity, ultraviolet light
Incompatibility (Materials to Avoid): Basic compounds such as amines.	
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, oxides of nitrogen, other hydrocarbons	
HAZARDOUS POLYMERIZATION <input checked="" type="checkbox"/> May Occur <input type="checkbox"/> Will Not Occur	Conditions to Avoid: Contact with basic compounds such as amines

SECTION 5 - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY	<input checked="" type="checkbox"/> Inhalation <input type="checkbox"/> Skin Absorption	<input type="checkbox"/> Ingestion <input type="checkbox"/> Not Hazardous	Carcinogen Listed In	<input type="checkbox"/> NTP <input type="checkbox"/> IARC Monogph	<input type="checkbox"/> OSHA <input type="checkbox"/> Not Listed
HEALTH HAZARDS	Acute: Eye irritation, bonds skin instantly; vapors irritating to mucous membranes. Rapid polymerization will occur on skin generating heat. If quantity is large, skin may burn. Chronic: Not known				
Signs and Symptoms of Exposure: Mild irritation of eyes, nose and throat					
Medical Conditions Generally Aggravated by Exposure: Not known					
EMERGENCY FIRST AID PROCEDURES -					
Eye Contact: Immediately flush with water for 15 minutes and get medical attention.					
Skin Contact: Wash material off the skin with water. If skin bonding occurs, gradually separate. Do not force apart.					
Inhalation: Remove person to fresh air. If cough or difficulty in breathing develops, get medical attention.					
Ingestion: Do not induce vomiting. Seek immediate medical attention.					

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (Specify Type): Not normally required if ventilation is adequate. For high vapor levels wear self-contained breathing apparatus.			
Protective Gloves: Polyethylene		Eye Protection: Chemical goggles	
VENTILATION TO BE USED	<input checked="" type="checkbox"/> Local Exhaust <input type="checkbox"/> Other (specify)	<input type="checkbox"/> Mechanical (general)	<input type="checkbox"/> Special
Other Protective Clothing and Equipment: Not required			
Hygienic Work Practices: Avoid contact with skin, eyes and clothing			

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE / LEAK PROCEDURES

Steps to be Taken if Material is Spilled Or Released:	Wear eye protection, protective clothing. Absorb with inert material (i.e. sawdust, sand), immerse absorbant in water and dispose in accordance with federal, state and local regulations.
Waste Disposal Methods:	Incinerate or landfill according to federal, state and local regulations.
Precautions to be Taken in Handling and Storage:	Avoid contact with skin and eyes. Store in dark, cool place. Avoid storage with bases such as amines.
Other Precautions and/or Special Hazards:	Ventilate the facility where used. Local ventilation is recommended where large quantities are used.

NFPA Rating Health _____ Flammability _____ Reactivity _____ Special _____

HMIS Rating Health _____ Flammability _____ Reactivity _____ Personal Protection _____