

MATERIAL SAFETY DATA SHEET

IDENTITY (As used on label and list) TURBO BOND STRUCTURAL ADHESIVE ** INSTANT ADHESIVE **	Part Numbers for this MSDS: 120-170DP, 120-170Adh
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SECTION I

Manufacturer's Name Palm Labs., Inc	Emergency Telephone Number 1800 964-6660
10 Office Way Hilton Head, SC, 29928	Telephone Number For Information. 843 686-2345
	Date Prepared 9/7/2011
	Signature of Preparer (optional)

SECTION II - Hazardous Ingredients/Identity Information

COMPONENTS WITH EXPSURE LIMITS	CAS NO	%	ACGIH TLV	IARC	OSHE PEL
High Boiling Methacrylate	Proprietary	35-55	None	None	None
Polyurethane Methacrylate Resin	Proprietary	5-10	None	None	None
High Boiling Monomer	5888-33-5	20-28	None	None	None
Hydroxalkyl Methacrylate	868-77-9	10-30	None	None	None
Dimethacrylate	7534-94-3	15-25	None	None	None
Cumene Hydroperoxide	80-15-9	0.5-1.0	None	None	None

SECTION III - Physical/Chemical Characteristics

Appearance Clear amber liquid	Boiling Point Na	Specific Gravity (H ₂ O=1) 1.06
Solubility in Water Insoluble	Melting Point 300° F.	Vapor Pressure(mm/Hg.) 6 mm Hg at 30° C.
VOC content: Na	Evaporation Rate Na	

SECTION IV - Fire And Explosion Hazard Data

Flash Point (Tagliabue Closed Cup) > 200° F	Flammable Limits Not available	LEL	UEL
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Extinguishing Media

Water spray, foam , dry chemical or carbon dioxide

Special Fire Fighting Procedures

Firefighters should wear self-contained breathing apparatus and full protective clothing. No unusual fire or explosive hazards.

SECTION V - Reactivity Data

Stability	Unstable		Conditions To Avoid
	Stable	X	
Incompatible Materials to Avoid			Oxidizers, amines, strong lewis or mineral acids, thiosulfates. Smoke and toxic fumes may evolve as result of uncontrolled exothermic reaction of large masses of material reacting with curing agents, such as peroxides, amines, or exposure to light.
Hazardous Decomposition Or Byproducts			
Hazardous Polymerization	May Occur	X	Conditions to avoid: Storage in contact with or near heat, moisture, sunlight.
	Will Not Occur		

SECTION VI - Health Hazard Data

Routes of Entry	Inhalation? Yes	Skin? No	Ingestion? Yes	
Health Hazards (<i>Acute And Chronic</i>) VAPORS; Inhalation- irritating to mucus membrane and eyes. Causes headache. SKIN CONTACT; bonds instantly, do not pull apart, may cause burnes. Soak in warm soapy water or apply acetone.				
First Aid Measures:	Inhalation	Remove to fresh Air. UIf symtpons develop or persist, get medical attention.		
	Skin Contact	Soak in warm water, do not pull apart. Get medical attention if symtpons occur.		
	Eye Contact	Flush with lukewarm water for fifteen minutes holding eyelids open entire time. Get medical help.		
	Ingestion	Do not induce vomiting. Get medical attention.		
<u>Carcinogenicity</u>	<u>NTP Carcinogen</u>	<u>IARC Carcinogen</u>	<u>OSHA Carcinogen</u>	
High Boiling Methacrylate	No	No	No	
Polyurethane Methacrylate Resin	No	No	No	
High Boiling Monomer	No	No	No	
Hydroxalkyl Methacrylate	No	No	No	
Dimethacrylate	No	No	No	
Cumene Hydroperoxide	No	No	No	

Signs and Symptoms of Exposure.

Inhalation- throat irritation, coughing. Remove to fresh air

Toxicity; Skin contact may cause burns. Bonds skin rapidly and stongly. Skin and Eye irritant. Estimated oral LD50 more than 500mg/kg. Esimated dermal LD50 more than 2000 mg/kg.

Signs and Symptoms of exposure; Vapor is irritating to eyes and mucous membranes above TLV. Exposure to vapors above the established limits may cause systems on non-allergic Asthma.

Medical Conditions: Respiratory Condition.

Generally Aggravated by Exposure. Respiratory Irritation may be brought on by inadequate ventilation

Emergency and First Aid Procedure

SKIN contact: - Soak in warm soapy water or acetone. Do not pull apart, will separate by itself

EYES contact: Instantly FLUSH EYES with warm water for fifteen minutes, contact Physician.

LIP contact: Flush with warm water, do not pull apart. Gently roll lips open.

SECTION VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

Flush with copious amounts of cool water. Allow to harden and break up and dispose of according to local regulations.

Waste Disposal Method.

Dispose of as chemical waste in accordance with current local, State and Federal regulations.

Precautions to be Taken in Handling and Storing. Material should be handled and stored in a cool, dry area. Containers should be kept tightly closed. Avoid storage in sunlight. For best results material should be refrigerated.

SECTION VIII - Control Measures

Respiratory Protection (*Specify Type*)

Ventilation	Local Exhaust OK	Special
	Mechanical (<i>General</i>)	Other

ProtectiveClothing: Polyethylene Gloves and aprons

Eye Protection: Safety goggles

Other Protective Clothing or Equipment
Inhalation; Use in adequate ventalation.

SECTION IX – Transport Information

Land Transport (USDOT): Proper shipping name: Hazard class or division Identification Number Packing Group	Unrestricted Unrestricted None None
Sea Transportation (IMDG): Proper shipping name Hazard class or division Identification Number Packing Group	Unrestricted Unrestricted None None
Air Transportation (IATA/ICAO): Proper shipping name Hazard class or division Identification Number Packing Group	Unrestricted Unrestricted None None