

MATERIAL SAFETY DATA SHEET

IDENTITY (As used on label and list) TURBO LOCK SERIES 20 – THREAD LOCKER BLUE PLASTIC SCREW PERMANENT	Part Numbers for this MSDS: 20-001, 20-028, 20-056, 20-454
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SECTION I

Manufacturer's Name Palm Labs., Inc	Emergency Telephone Number 1800 964-6660
10 Office Way, Suite 250 Hilton Head, SC, 29928	Telephone Number For Information. 843 686-2345
	Date Prepared 09/02/2011
	Signature of Preparer (optional)

SECTION II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	CAS NO	%
Ethyl Cyanoacrylate Ester	Proprietary	91 - 96
Poly (Methyl Methacrylate)	9011-14-7	4 - 9
Hydroquinone	123-31-9	0.1- 1.0

INGREDIENTS WITH EXPOSURE LIMITS

Exposure Limits (TWA)	ACGIH	OSHA	OTHER
Ingredients	(TLV)	(PEL)	
Ethyl Cyanoacrylate	none	none	0.2 ppm TWA
Hydroquinone	2 mg/m3 TWA	2 mg/3 TWA	2 mg/m3 TWA 4 mg/m3 STEL

Exposure Limits (STEL)	ACGIH	OSHA
Ingredients	(TLV)	(PEL)

Ingredients;	Literature Referenced	Target organ and other health effects	Carcinogen		
			NTP	IARC	OSHA
Ethyl Cyanoacrylates	ALG IRR RES		NO	NO	NO
Poly (Methyl-Methacrylate)	IRR		NO	N/A	NO

SECTION III - Physical/Chemical Characteristics

Appearance and Odor Clear, Acrid odor	Boiling Point > 300° F.	Specific Gravity (H ₂ O=1) 1.046
Solubility in Water Insoluble	Melting Point 300° F.	Vapor Pressure(mm/Hg.) 0.17 @ 20° C.
VOC content: Less than 2%; 20 gL (California SCAQMD Method 316B) estimate	Evaporation Rate (Butyl Acetate = 1) None	

SECTION IV - Fire And Explosion Hazard Data

Flash Point (Tagliabue Closed Cup) 170° F - 200° F	Flammable Limits	LEL	UEL
Extinguishing Media Foam or Carbonic Acid			
Special Fire Fighting Procedures Firefighters should wear self-contained breathing apparatus			
Unusual Fire and Explosion Hazards None			

SECTION V - Reactivity Data

Stability	Unstable		Conditions To Avoid
	Stable	X	
Incompatible Materials to Avoid			Water, bases alcohol
Hazardous Decomposition Or Byproducts			
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	Storage in contact with or near heat, moisture, sunlight.

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 or polish remover.			
First Aid Measures:	Inhalation	Remove to fresh Air	
	Skin Contact	Soak in warm water, do not pull apart.	
	Eye Contact	Flush with water for fifteen minutes	
Carcinogenicity	NTP None	IARC Monographs? No	OSHA Regulated? 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.

Primary routes of entry: non known.

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 , DO NOT USE COTTON.

Eye Protection: Safety goggles

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

Work/Hygienic Practices

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