

1. PRODU	CT AND COMPANY IDENTIFIC	ATION			
Product Name:	Quantum [®] 124	Product Type:	Cyanoacr	ylate Adhesive	
Company :	Hernon Manufacturing, Inc. 121 Tech Drive Sanford, FL 32771	Contact Information	Emergeno	e: 407-322-4000 cy Telephone: 800-255 www.hernonmfg.com	5-3924
2. COMPO	SITION / INFORMATION ON IN	IGREDIENTS			
Ingredients			<u>CGIH TLV</u>	OSHA PEL	OTHER
Ethyl Cyanoacr	-		ppm TWA	None	None
Poly (methyl methacrylate)		5-10	None	None	None
3. HAZARI	DS IDENTIFICATION				
		EMERGENCY OVER	VIEW		
Physical stat Color: Odor:	te: Liquid Clear Sharp, irritating			HMIS: HEALTH: FLAMMABILITY: PHYSICAL HAZARD: Personal Protection:	2 2 2 See Section 8
	WARNING:	BONDS SKIN IN SE MAY CAUSE EYE A			۷.
Primary Routes	of Entry:	Skin, inhalation, eyes			
Signs and Sym	ptoms of Exposure:				
Inhalation:				ablished exposure limit / in breathing and tightn	
Skin Contac	t:	Bonds skin in seconds. May cause skin irritation. Cyanoacrylates have been reported to cause allergic reaction but due to rapid polymerization at the skin surface, an allergic response is rare. Cyanoacrylates generate heat on solidification. In rare circumstances a large drop will burn the skin. Cured adhesive does not present a health even if bonded to the skin.			
Eye Contact	:	Irritating to eyes. Cau	ses excessive	e tearing. Eyelids may b	ond.
Ingestion:			erizes (solidifies) and		
Existing Condit	ions Aggravated by Exposure:	Eye, skin, and respira	tory disorders	3.	



4. FIRST AID MEASURES

Ingestion:	Ensure breathing passages are not obstructed. The product will polymerize rapidly and bond to the mouth making it almost impossible to swallow. Saliva will separate any solidified product in several hours. Prevent the patient from swallowing any separated mass.
Inhalation:	Remove to fresh air. If symptoms persist, obtain medical attention.
Skin Contact:	Do not pull bonded skin apart. Soak in warm soapy water. Gently peel apart using a blunt instrument. If skin is burned due to the rapid generation of heat by a large drop, seek medical attention. If lips are bonded, apply warm water to the lips and encourage wetting and pressure from saliva in mouth. Peel or roll lips apart. Do not pull lips apart with direct opposing force.
Eye Conttact:	Immediately flush with plenty of water for at least 15 minutes. Get medical attention. If eyelids are bonded closed, release eyelashes with warm water by covering with a wet pad. Do not force eye open. Cyanoacrylate will bond to eye protein and will cause a lachrymatory effect which will help to debond the adhesive. Keep eye covered until debonding is complete, usually within 1-3 days. Medical attention should be sought in case solid particles of polymerized cyanoacrylate trapped behind the eyelid caused abrasive damage.
To Physician:	Surgery is not necessary to separate accidentally bonded tissues. Experience has shown that bonded tissues are best treated by passive, non-surgical first aid. If rapid curing has caused thermal burns they should be treated symptomatically after adhesive is removed.
5. FIRE FIGHTING MEASURES	
Flash Point (TCC):	150-200°F
Recommended Extinguishing Agents:	Water spray (fog), foam, dry chemical or carbon dioxide.
Special Firefighting Procedures:	Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA).
Hazardous Combustion Products:	Trace amounts of toxic fumes may be released on incineration and the use of breathing apparatus is recommended.
Unusual Fire or Explosion Hazards:	None
Flammable/Explosive Limits – lower %:	Not applicable
Flammable/Explosive Limits – upper %:	Not applicable
6. ACCIDENTAL RELEASE MEASURES	
Personal Precautions:	Wear proper protective equipment
Measures for Environmental Protection:	Do not allow entry into drains or surface waters
Clean-up Measures:	Do not use cloths for mopping up. Flood with water to complete polymerization and scrape off the floor. Cured material can be disposed of as non-hazardous waste.



7. HANDLING AND STORAGE

Handling:	Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling. Avoid contact with fabric or paper goods. Contact with these materials may cause rapid polymerization which can generate smoke and strong irritating vapors, and cause thermal burns.		
Storage:	Keep refrigerated		
8. EXPOSURE CONTROLS, PERSONA	AL PROTECTION		
Eye/Face Protection:	Chemical splash goggles or safety glasses with side shields.		
Skin Protection:	Use nitrile gloves and aprons as necessary to prevent contact. Do not use PVC nylon or cotton.		
Respiratory Protection:	Use NIOSH approved respirator if there is a potential to exceed exposure limits		
Engineering Controls:	Positive down-draft exhaust ventilation should be provided to maintain vapor concentrations below TLV.		
9. PHYSICAL AND CHEMICAL PROPE	RTIES		
Physical State:	Liquid		
Color:	Clear		
Odor:	Sharp, irritating		
Vapor Pressure:	Less than 0.2 mm		
Vapor Density:	Approximately 3		
Solubility in Water:	Polymerized by water		
Specific Gravity:	1.10 at 75°F		
Boiling Point:	More than 300°F		
Volatile Organic Compound Content	< 20g/L (California SCAQMD Method 316B) (estimated)		
Evaporation Rate (Ether = 1)	Not available		
pH:	Does not apply		
10. STABILITY AND REACTIVITY			
Stability:	Stable under recommended storage conditions.		
Hazardous Polymerization:	Rapid exothermic polymerization will occur in the presence of water, amines, alkalis and alcohols.		
Hazardous Decomposition Products:	None		
Incompatibility:	Polymerized by contact with water, alcohols, amines, or alkalies.		



Toxicity:	Estimated oral LD50 > 5,000 mg/kg. Estimate	ed dermal LD50 > 2,000 mg/kg	9		
Ingredients:	Literature Referenced Target Organ and Other Health Effects	Carcinogen Status	s SH/		
Ethyl Cyanoacrylate	ALG IRR RES	NO NO M	NO		
Poly (methyl methacrylate)	No data	NO NO M	NO		
Abbreviations: ALG Allergen IRR Irritant RES R	Respiratory				
12. ECOLOGICAL INFORMATION					
Water Hazard:	Do not allow entry into drains or surface water	rs			
13. DISPOSAL CONSIDERATIONS					
	Dispass of according to Ecderal Otate and L				
Recommended methods of disposal:		Dispose of according to Federal, State and Local regulations.			
EPA Hazardous Waste Number:	Not an RCRA hazardous waste				
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15. REGULATORY INFORMATION

Prepared By:		Jerry Litteral
16. OTHER	INFORMATION	
Californi	ia Proposition 65:	No California Proposition 65 listed chemicals are known to be present.
CERCLA	VSARA 313:	This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right- To-Know Act of 1986 (40 CFR 372): None
TSCA 8	(b) Inventory Status:	All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory

DISCLAIMER: Some of the information presented is from sources other than direct test data on the product itself. The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable. This MSDS has been prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200).