

1. PRODU	CT AND COMPANY IDENTIFIC	ATION			
Product Name:	Quantum [®] 135	Product Type:	Cyanoacry	late Adhesive	
Company :	Hernon Manufacturing, Inc.	Contact Information:	Telephone	407-322-4000	
	121 Tech Drive			Telephone: 800-255	-3924
	Sanford, FL 32771		Web Site:	www.hernonmfg.com	
2. COMPO	SITION / INFORMATION ON IN	IGREDIENTS			
Ingredients		<u>%</u> <u>AC</u>	<u>GIH TLV</u>	OSHA PEL	<u>OTHER</u>
Ethyl Cyanoacrylate		90-95 0.2 p	opm TWA	None	None
Poly (methyl methacrylate)		5-10	None	None	None
3. HAZARI	DS IDENTIFICATION				
		EMERGENCY OVERV	FW		
Physical stat	te: Liquid			<u>IMIS:</u> IEALTH:	2
Color:	Clear		F	LAMMABILITY:	2
Odor:	Sharp, irritating			PHYSICAL HAZARD: Personal Protection:	2 See Section 8
	WARNING:	BONDS SKIN IN SEC			
	WARNING.	MAY CAUSE EYE AN		ATORY IRRITATION	J.
L					
Primary Routes	of Entry:	Skin, inhalation, eyes			
Signs and Sym	ptoms of Exposure:				
Inhalation:		Exposure to vapors ab irritation which may lea			
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. Cause			
Ingestion:		Not expected to be harmful by ingestion. Rapidly polymerizes (solidifies) and bonds in mouth. It is almost impossible to swallow.			
Existing Conditions Aggravated by Exposure:		Eye, skin, and respiratory disorders.			



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, PERSONAL	PROTECTION					
8. EXPOSURE CONTROLS, PERSONAL	ROTECTION					
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 PROPERT	9 PHYSICAL AND CHEMICAL PROPERTIES					
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.					



11. TOXICOLOGICAL INFORMATION						
Toxicity:	Estimated oral LD50 > 5,000 mg/kg. Estimate	ed dermal LD50 > 2,000 mg/kg				
Ingredients:	Literature Referenced Target Organ and Other Health Effects	Carcinogen Status NTP IARC OSH/				
Ethyl Cyanoacrylate	ALG IRR RES	NO NO NO				
Poly (methyl methacrylate)	No data	NO NO NO				
Abbreviations: ALG Allergen IRR Irritant RES R	Respiratory					
12. ECOLOGICAL INFORMATION						
Water Hazard:	Do not allow entry into drains or surface wate	Do not allow entry into drains or surface waters				
13. DISPOSAL CONSIDERATIONS						
Recommended methods of disposal:	Dispose of according to Federal, State and Lo	ocal regulations.				
		Not an RCRA hazardous waste				
	Ν					
14. TRANSPORTATION INFORMATION U.S. Dept. of Transportation Ground (49 CFR)	N R):					
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15. REGULATORY INFORMATIO	Ν
United States Regulatory Information	
TSCA 8 (b) Inventory Status:	All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory
CERCLA/SARA 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
16. OTHER INFORMATION	
Prepared By:	Jerry Litteral
Title:	Director - Quality & Development
obtained from sources which we believe are	ented is from sources other than direct test data on the product itself. The information in this MSDS was reliable. However, the information is provided without any warranty, express or implied, regarding its handling, storage, use and disposal of the product are beyond our control and may be beyond our

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