

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Cylinlock® 824	Product Type: Anaerobic Adhesive
Company : Hernon Manufacturing, Inc. 121 Tech Drive Sanford, FL 32771	Contact Information: Telephone: 407-322-4000 Emergency Telephone: 800-255-3924 Web Site: www.hernonmfg.com

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Aromatic Dimethacrylate Ester	45-50	None	None	None
Hydroxyalkyl Methacrylate	30-35	None	None	1ppmTWA 3ppm STEL
Bisphenol A fumarate resin	15-20	None	None	None
Cumene Hydroperoxide	1-3	None	None	1 ppm (6 mg/m ³) Skin (WEEL)
1-Acetyl-2-Phenylhydrazine	0.1-1	None	None	None

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state: Liquid
Color: Green
Odor: Mild

HMIS:
HEALTH: 1
FLAMMABILITY: 1
PHYSICAL HAZARD: 1
Personal Protection: See Section 8

WARNING: MAY CAUSE EYE AND SKIN IRRITATION
MAY CAUSE ALLERGIC SKIN REACTION
MAY BE HARMFUL IF SWALLOWED OR INHALED

Primary Routes of Entry: None known

Signs and Symptoms of Exposure:

Inhalation:	May cause irritation to nose and throat.
Skin Contact:	Irritating to skin. May cause allergic skin reaction.
Eye Contact:	Vapors may irritate eyes. Contact with eyes will cause irritation.
Ingestion:	May be harmful if swallowed.

Existing Conditions Aggravated by Exposure: None known

4. FIRST AID MEASURES

Ingestion:	Do not induce vomiting. Keep individual calm. Obtain medical attention.
Inhalation:	Does not apply.
Skin Contact:	Wash with soap and water.
Eye Contact:	Flush at least 15 minutes with water. Obtain medical attention.

5. FIRE FIGHTING MEASURES

Flash Point (TCC):	>200°F
Recommended Extinguishing Agents:	Carbon dioxide, foam, dry chemical
Special Firefighting Procedures:	Not available
Hazardous Combustion Products:	Irritating organic vapors
Unusual Fire or Explosion Hazards:	None
Flammable/Explosive Limits – lower %:	NA
Flammable/Explosive Limits – upper %:	NA

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear proper protective equipment
Measures for Environmental Protection:	Do not allow large quantities to enter drains or surface waters
Clean-up Measures:	Soak up with an inert absorbent. Store in partly filled, closed container until disposal.

7. HANDLING AND STORAGE

Handling:	Avoid prolonged skin contact. Keep away from eyes.
Storage:	Store between 46° and 82°F unless otherwise labeled to preserve shelf life.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eye/Face Protection:	Safety glasses or goggles with side shields
Skin Protection:	Use rubber or plastic gloves, and protective clothing as necessary
Respiratory Protection:	Use NIOSH approved respirator if there is a potential to exceed exposure limits
Engineering Controls:	Forced ventilation may be required if concentrations exceed exposure limits

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Green
Odor:	Mild
Vapor Pressure:	< 5 mm Hg at 80°C
Vapor Density:	Not available
Solubility in Water:	Slight
Specific Gravity:	1.09 at 75°F
Boiling Point:	More than 300°F
Volatile Organic Compound Content	38.4%
Evaporation Rate (Ether = 1)	Not available
pH:	Does not apply

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous Polymerization:	Will not occur
Hazardous Decomposition Products:	None
Incompatibility:	None

11. TOXICOLOGICAL INFORMATION

Toxicity:	Estimated oral LD50 > 5,000 mg/kg. Estimated dermal LD50 > 2,000 mg/kg								
Ingredients:	Literature Referenced Target Organ and Other Health Effects						Carcinogen Status		
							NTP	IARC	OSHA
Aromatic Dimethacrylate Ester	ALG	IRR					NO	NO	NO
Hydroxyalkyl Methacrylate	ALG	IRR					NO	NO	NO
Bisphenol A fumarate resin	ALG	IRR					NO	NO	NO
Cumene Hydroperoxide	ALG	CNS	COR	IRR	MUT		NO	NO	NO
1-Acetyl-2-Phenylhydrazine	ALG	BLO	MUT	KID	SOM		NO	NO	NO
Abbreviations:									
ALG	Allergen	CNS	Central Nervous System	BLO	Blood	COR	Corrosive	2B	Possibly carcinogenic to humans
MUT	Mutagen	NTO	No Target Organs	IRR	Irritant	KID	Kidney	SOM	Some evidence of carcinogenicity

12. ECOLOGICAL INFORMATION

Water Hazard: Do not allow entry into drains or surface waters

13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal: Dispose of according to Federal, State and Local regulations.

EPA Hazardous Waste Number: Not an RCRA hazardous waste

14. TRANSPORTATION INFORMATION**U.S. Dept. of Transportation Ground (49 CFR):**

Proper Shipping Name: Unrestricted

Hazard Class or Division: None

Identification Number: None

Packing group: None

International Air Transportation (ICAO/IATA):

Proper Shipping Name: Unrestricted

Hazard Class or Division: None

Identification Number: None

Packing group: None

WaterTransportation (IMO/IMDG):

Proper Shipping Name: Unrestricted

Hazard Class or Division: None

Identification Number: None

Packing group: None

Marine pollutant: None

15. REGULATORY INFORMATION**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): Cumene Hydroperoxide

16. OTHER INFORMATION

Prepared By:

Jerry Litteral

Title:

Director - Quality & Development

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).