

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Cylinlock® 823	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>
Hydroxyalkyl methacrylate	50-70	None	None	None
Bisphenol A fumarate resin	10-20	None	None	None
Aromatic dimethacrylate ester	5-10	None	None	None
Acrylic acid	5-10	2ppm TWA (skin)	10 ppm TWA 30 mg/m ³	1 ppm TWA (skin) 3 ppm STEL (skin)
Polyglycol dimethacrylate	1-5	None	None	None
Cumene hydroperoxide	1-3	None	None	1 ppm (6 mg/m ³) Skin (WEEL)
Maleic acid	1-3	None	None	50 ppm
Saccharin	1-3	None	None	None
1-Acetyl-2-phenylhydrazine	0.1-1	None	None	None

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state: Liquid
Color: Green
Odor: Sharp

HMIS:
HEALTH: 2
FLAMMABILITY: 1
PHYSICAL HAZARD: 1
Personal Protection: See Section 8

WARNING: MAY CAUSE EYE, AND SKIN IRRITATION.
MAY CAUSE ALLERGIC SKIN REACTION.
MAY CAUSE RESPIRATORY TRACT IRRITATION.
MAY BE HARMFUL IF SWALLOWED.

Primary Routes of Entry: Skin, Inhalation, Eyes

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 cause gastrointestinal tract irritation if swallowed.

Existing Conditions Aggravated by Exposure: Eye, skin, and respiratory disorders.

4. FIRST AID MEASURES	
Ingestion:	Do not induce vomiting. Keep individual calm. Obtain medical attention.
Inhalation:	Remove to fresh air. If symptoms develop and persist, get medical attention.
Skin Contact:	Wash with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if symptoms occur.
Eye Contact:	Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Get medical attention.
5. FIRE FIGHTING MEASURES	
Flash Point (TCC):	> 200°F
Recommended Extinguishing Agents:	Carbon dioxide, foam, dry chemical
Special Firefighting Procedures:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
Hazardous Combustion Products:	Oxides of carbon. Oxides of nitrogen. Irritating organic vapors.
Unusual Fire or Explosion Hazards:	None
Flammable/Explosive Limits – lower %:	Not available
Flammable/Explosive Limits – upper %:	Not available
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:	Soak up with an inert absorbent. Store in partly filled, closed container until disposal.
7. HANDLING AND STORAGE	
Handling:	Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling. Use only with adequate ventilation.
Storage:	Store between 46° and 82°F unless otherwise labeled to preserve shelf life. Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.
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:	Sharp
Vapor Pressure:	Less than 10 mm at 80°F
Vapor Density:	Not available
Solubility in Water:	Slight
Specific Gravity:	1.09
Boiling Point:	> 300°F
Volatile Organic Compound Content	68.6%
Evaporation Rate (Ether = 1)	Not available
pH:	Does not apply

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous Polymerization:	Will not occur
Hazardous Decomposition Products:	Oxides of carbon. Oxides of nitrogen. Irritating organic vapors.
Incompatibility:	Strong oxidizers.

11. TOXICOLOGICAL INFORMATION

Toxicity:	Estimated oral LD50 > 5,000 mg/kg. Estimated dermal LD50 > 5,000 mg/kg							
Ingredients:	Literature Referenced Target Organ and Other Health Effects					Carcinogen Status		
						NTP	IARC	OSHA
Hydroxyalkyl methacrylate	ALG	IRR				NO	NO	NO
Bisphenol A fumarate resin	ALG	IRR				NO	NO	NO
Aromatic dimethacrylate ester	ALG	IRR				NO	NO	NO
Acrylic acid	COR	ALG	IRR	KID	LIV	NO	NO	NO
Polyglycol dimethacrylate	ALG	IRR				NO	NO	NO
Cumene hydroperoxide	ALG	CNS	COR	IRR	MUT	NO	NO	NO
Maleic acid	IRR					NO	NO	NO
Saccharin	NTO					NO	NO	NO
1-Acetyl-2-phenylhydrazine	ALG	BLO	MUT	KID	SOM	NO	NO	NO

Abbreviations:

ALG Allergen	BLO Blood	IRR Irritant	CNS Central nervous system	NTO No Target Organs
COR Corrosive	KID Kidney	MUT Mutagen	SOM Some evidence of carcinogenicity	LIV Liver

12. ECOLOGICAL INFORMATION

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

Water Transportation (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): Acrylic Acid, Cumene Hydroperoxide

16. OTHER INFORMATION

Prepared By: Jerry Litteral
Title: Director - Quality & Development

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