

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Cylinlock® 52631	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.hernon.com

2. 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.

3. 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	1-5	None	None	1 ppm (6 mg/m ³) Skin (WEEL)
Silica, fumed, treated	1-5	3mg/m ³ TWA Respirable particles	None	None
Maleic acid	1-5	None	None	None
Saccharin	1-5	None	None	None
1-Acetyl-2-phenylhydrazine	0.1-1	None	None	None

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:	1.11
Boiling Point:	> 300°F
Volatile Organic Compound Content	13.2%
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

<p>Toxicity: Estimated oral LD50 > 5,000 mg/kg. Estimated dermal LD50 > 5,000 mg/kg</p> <p>Ingredients:</p> <table border="0"> <thead> <tr> <th rowspan="2"></th> <th colspan="5">Literature Referenced Target Organ and Other Health Effects</th> <th colspan="3">Carcinogen Status</th> </tr> <tr> <th>ALG</th> <th>IRR</th> <th>CNS</th> <th>KID</th> <th>LIV</th> <th>NTP</th> <th>IARC</th> <th>OSHA</th> </tr> </thead> <tbody> <tr> <td>Hydroxyalkyl methacrylate</td> <td>ALG</td> <td>IRR</td> <td></td> <td></td> <td></td> <td>NO</td> <td>NO</td> <td>NO</td> </tr> <tr> <td>Bisphenol A fumarate resin</td> <td>ALG</td> <td>IRR</td> <td></td> <td></td> <td></td> <td>NO</td> <td>NO</td> <td>NO</td> </tr> <tr> <td>Aromatic dimethacrylate ester</td> <td>ALG</td> <td>IRR</td> <td></td> <td></td> <td></td> <td>NO</td> <td>NO</td> <td>NO</td> </tr> <tr> <td>Acrylic acid</td> <td>COR</td> <td>ALG</td> <td>IRR</td> <td>KID</td> <td>LIV</td> <td>NO</td> <td>NO</td> <td>NO</td> </tr> <tr> <td>Polyglycol dimethacrylate</td> <td>ALG</td> <td>IRR</td> <td></td> <td></td> <td></td> <td>NO</td> <td>NO</td> <td>NO</td> </tr> <tr> <td>Cumene hydroperoxide</td> <td>ALG</td> <td>CNS</td> <td>COR</td> <td>IRR</td> <td>MUT</td> <td>NO</td> <td>NO</td> <td>NO</td> </tr> <tr> <td>Silica, fumed, treated</td> <td>NTO</td> <td></td> <td></td> <td></td> <td></td> <td>NO</td> <td>NO</td> <td>NO</td> </tr> <tr> <td>Maleic acid</td> <td>IRR</td> <td></td> <td></td> <td></td> <td></td> <td>NO</td> <td>NO</td> <td>NO</td> </tr> <tr> <td>Saccharin</td> <td>NTO</td> <td></td> <td></td> <td></td> <td></td> <td>NO</td> <td>NO</td> <td>NO</td> </tr> <tr> <td>1-Acetyl-2-phenylhydrazine</td> <td>ALG</td> <td>BLO</td> <td>MUT</td> <td>KID</td> <td>SOM</td> <td>NO</td> <td>NO</td> <td>NO</td> </tr> </tbody> </table>		Literature Referenced Target Organ and Other Health Effects					Carcinogen Status			ALG	IRR	CNS	KID	LIV	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	Silica, fumed, treated	NTO					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
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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

Ecological Information: Not available

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): Acrylic Acid, Cumene Hydroperoxide
California Proposition 65: This product contains trace quantities of a substance known to the state of California to cause cancer, birth defects, and/or other reproductive harm.

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.