

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Gasket Replacer 916	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: Gel
Color: Red
Odor: Mild

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

WARNING: MAY CAUSE EYE 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 respiratory tract irritation.

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. Acrylic acid: Respiratory disorders. Lung disease.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Aromatic Urethane Methacrylate	60-100	None	None	None
Polyglycol Dimethacrylate	10-20	None	None	None
Silica, fumed	5-10	6 mg/m ³ TWA	10 mg/m ³ TWA	3 mg/m ³ TWA respirable dust
Acrylic Acid	1-5	2ppm TWA (skin)	10 ppm TWA 30 mg/m ³	1 ppm TWA {skin} 3 ppm STEL {skin}
Ethylene Glycol	1-5	10 mg/m ³ ceiling aerosol only	None	None
Cumene Hydroperoxide	1-5	None	None	1 ppm (6 mg/m ³) Skin (WEEL)
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:	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:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
Hazardous Combustion Products:	Oxides of carbon. Oxides of sulfur. Oxides of nitrogen. Irritating organic vapors.
Unusual Fire or Explosion Hazards:	None
Flammable/Explosive Limits – lower %:	2.0 % (Acrylic Acid)
Flammable/Explosive Limits – upper %:	8.0 % (Acrylic Acid)
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. 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:	Gel
Color:	Red
Odor:	Mild
Vapor Pressure:	<10 mm Hg at 80°C
Vapor Density:	Not available
Solubility in Water:	Slight
Specific Gravity:	1.13
Boiling Point:	More than 300°F
Volatile Organic Compound Content	1.5%
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 sulfur. Oxides of nitrogen. Irritating organic vapors.
Incompatibility:	Strong oxidizers. Iron. Rust. Aluminum. Copper. Zinc. Strong alkalis. Oxygen scavengers. Aldehydes. Free radical initiators. Reducing agents. Acids and bases.

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 Urethane Methacrylate	No data						NO	NO	NO			
Polyglycol Dimethacrylate	ALG	IRR					NO	NO	NO			
Silica, fumed	NTO						NO	NO	NO			
Acrylic Acid	COR	ALG	IRR	KID	LIV				NO	NO	NO	
Ethylene Glycol	BLO	CNS	EYE	IRR	KID	LIV				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	BLO Blood	EYE Eyes	NTO No Target Organs
COR Corrosive	IRR Irritant	KID Kidney	CNS Central Nervous System
LIV Liver	MUT Mutagen	SOM Some Evidence of Carcinogenicity	

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

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): Cumene Hydroperoxide, Acrylic Acid, Ethylene Glycol

16. OTHER INFORMATION

Prepared By:

Jerry Litteral

Title:

Director - Quality & Development

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