

## 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product Name:</b> ReAct® 727	<b>Product Type:</b> Structural Adhesive
<b>Company :</b> Hernon Manufacturing, Inc. 121 Tech Drive Sanford, FL 32771	<b>Contact Information:</b> 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>
Polyurethane Methacrylate Resin	30-60	None	None	None
Hydroxyalkyl Methacrylate	30-60	None	None	None
High Boiling Methacrylate	5-10	None	None	None
Methacrylic Acid	5-10	20 ppm TWA	None	None
Silica, fumed, treated	1-3	10mg/m <sup>3</sup> Inhalable fraction, 3mg/m <sup>3</sup> Respirable fraction, TWA	5mg/m <sup>3</sup> Respirable dust, 15mg/m <sup>3</sup> Total dust	None
tert-Butyl Peroxybenzoate	1-3	None	None	None
Maleic Acid	1-3	None	None	None

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

Physical state: Liquid  
Color: Off-white  
Odor: Sharp, irritating

**HMIS:**  
HEALTH: 2  
FLAMMABILITY: 2  
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:

<b>Inhalation:</b>	May cause irritation to nose and throat.
<b>Skin contact:</b>	May cause allergic skin reaction. May cause skin irritation.
<b>Eye contact:</b>	Contact with eyes will cause irritation.
<b>Ingestion:</b>	May be harmful 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):	Approximately 171°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:	Remove all ignition sources. Ensure adequate ventilation. Soak up with inert absorbent. Store in a partly filled, closed container until disposal.
7. HANDLING AND STORAGE	
Handling:	Keep away from heat, spark and flame. Do not breathe mist or vapors. Avoid contact with eyes, skin and clothing.
Storage:	Store between 46° and 82°F unless otherwise labeled to preserve shelf life. Store away from heat, sparks, flames, or other sources of ignition.
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:	Off-white
Odor:	Sharp, irritating
Vapor Pressure:	Less than 10 mm at 80°F
Vapor Density:	Not available
Solubility in Water:	Slight
Specific Gravity:	1.07
Boiling Point:	> 300°F
Volatile Organic Compound Content	53.2%
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

Ingredients:	Literature Referenced Target Organ and Other Health Effects			Carcinogen Status		
				NTP	IARC	OSHA
Polyurethane Methacrylate Resin	No data			NO	NO	NO
Hydroxyalkyl Methacrylate	ALG	IRR		NO	NO	NO
High Boiling Methacrylate	ALG	IRR		NO	NO	NO
Methacrylic Acid	ALG	COR	IRR	NO	NO	NO
Silica, fumed, treated	NTO			NO	NO	NO
tert-Butyl Peroxybenzoate	CNS	IRR	MUT	NO	NO	NO
Maleic Acid	IRR			NO	NO	NO

### Abbreviations:

<b>ALG</b>	Allergen	<b>COR</b>	Corrosive	<b>CNS</b>	Central Nervous System
<b>COR</b>	Corrosive	<b>MUT</b>	Mutagen	<b>NTO</b>	No Target Organs

## 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): None

## 16. OTHER INFORMATION

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

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