

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: HASA 66071	Product Type: Structural 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: Amber
Odor: Sharp

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

WARNING: *Indicates possible chronic health effects
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: May cause allergic skin reaction. May cause skin irritation.

Eye contact: Vapors may irritate eyes. Contact with eyes will cause irritation.

Ingestion: May be harmful if swallowed. 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>
Polyurethane Methacrylate Resin	40-50	None	None	None
Hydroxyalkyl Methacrylate	20-30	None	None	None
High Boiling Methacrylate	10-20	None	None	None
Acrylic Acid	1-5	2ppm TWA (skin)	10 ppm TWA 30 mg/m ³	1 ppm TWA {skin} 3 ppm STEL {skin}
Silica, fumed, treated	1-5	3mg/m ³ TWA Respirable particles	None	None
Maleic Acid	1-5	None	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: 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 %: 2% Acrylic Acid
Flammable/Explosive Limits – upper %: 8% Acrylic Acid

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:	Amber
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	Not Available
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:	Reducing agents. Strong oxidizers.

11. TOXICOLOGICAL INFORMATION

Ingredients:	Literature Referenced Target Organ and Other Health Effects					Carcinogen Status		
	NTP	IARC	OSHA					
Polyurethane Methacrylate Resin	IRR					NO	NO	NO
Hydroxyalkyl Methacrylate	ALG	IRR				NO	NO	NO
High Boiling Methacrylate	ALG	IRR				NO	NO	NO
Acrylic Acid	COR	ALG	IRR	KID	LIV	NO	NO	NO
Silica, fumed, treated	NTO					NO	NO	NO
Maleic Acid	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	IRR Irritant	COR Corrosive	NTO No Target Organs	CNS Central Nervous System
KID Kidney	LIV Liver	BLO Blood	MUT Mutagen	SOM Some Evidence of Carcinogenicity

12. ECOLOGICAL INFORMATION

Ecological Information:	Not available
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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
California Proposition 65:	This product contains trace quantities of a chemical (or chemicals) known to the state of California to cause cancer, birth defects, and/or other reproductive harm.
REACH regulation 67/548/EEC	This product contains the following toxic chemicals subject to the reporting requirements of REACH: Hydroxyalkyl Methacrylate, Acrylic Acid, Maleic Acid and Cumene Hydroperoxide

16. OTHER INFORMATION

Prepared By:	C. Alt
Title:	Manager - 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.