

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Ultrabond [®] 787	Product Type: UV 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: Pale yellow
Odor: Mild

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

WARNING: CAUSES SEVERE EYE IRRITATION
MAY BE HARMFUL IF SWALLOWED.
HARMFUL IF INHALED OR ABSORBED THROUGH THE SKIN
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

Primary Routes of Entry: N-Vinyl - 2 - pyrrolidinone: Absorption or contact.

Signs and Symptoms of Exposure:

Inhalation: Headache, nausea, dizziness, narcosis, pallor, lack of coordination, stupor.
Eye Contact: Burning, stinging, watering, inflammation.
Skin Contact: May cause allergenic response in sensitive individuals; nausea, vomiting, convulsions.
Ingestion: Nausea, vomiting, diarrhea.

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>
Urethane acrylic oligomer	40-50	None	None	None
High Boiling acrylate	20-30	None	None	None
N-Vinyl -2- pyrrolidinone	20-30	0.05 ppm	Not established	0.1 ppm
Silica, fumed, treated	1-5	3mg/m ³ TWA Respirable particles	None	None
Substituted silane	1-5	None	None	None
Photoinitiator	1-5	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:	Flush with water
Eye Contact:	Flush with water for at least 15 minutes. Get medical attention.
5. FIRE FIGHTING MEASURES	
Flash Point (TCC):	>200°F
Recommended Extinguishing Agents:	Carbon dioxide, foam, dry chemical
Special Firefighting Procedures:	NA
Hazardous Combustion Products:	Oxides of carbon and nitrogen
Unusual Fire or Explosion Hazards:	Uncontrolled polymerization may occur at high temperatures resulting in explosions or rupturing of storage containers
Flammable/Explosive Limits – lower %:	NA
Flammable/Explosive Limits – upper %:	NA
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. Protect from light.
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:	Pale yellow
Odor:	Mild
Vapor Pressure:	Unknown
Vapor Density:	> 1
Solubility in Water:	Low
Specific Gravity:	1.25
Boiling Point:	> 300°F
Volatile Organic Compound Content	Not available
Evaporation Rate (Ether = 1)	NA
pH:	Does not apply

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous Polymerization:	Will not occur
Hazardous Decomposition Products:	None
Incompatibility:	Strong acids, strong bases, oxidizers.

11. TOXICOLOGICAL INFORMATION

Ingredients:	Literature Referenced Target Organ and Other Health Effects	Carcinogen Status		
		NTP	IARC	OSHA
Urethane acrylic oligomer	IRR	NO	NO	NO
High Boiling acrylate	ALG IRR	NO	NO	NO
N-Vinyl -2- pyrrolidinone	IRR LIV SEN SOM	NO	NO	NO
Silica, fumed, treated	NTO	NO	NO	NO
Substituted silane	IRR	NO	NO	NO
Photoinitiator	No data	NO	NO	NO

Abbreviations:

ALG Allergen	IRR Irritant	LIV Liver	SEN Sensory
SOM Some evidence of carcinogenicity	NTO No Target Organs		

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): None

16. OTHER INFORMATION

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

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