

01/2010

### 1. PRODUCT AND COMPANY IDENTIFICATION

Company: Hernon Manufacturing, Inc. Contact Information: Telephone: 407-322-4000

121 Tech Drive Emergency Telephone: 800-255-3924

Sanford, FL 32771 Web Site: www.hernon.com

### 2. HAZARDS IDENTIFICATION

#### **EMERGENCY OVERVIEW**

HMIS:

Physical state:LiquidHEALTH:2\*Color:WhiteFLAMMABILITY:3Odor:Pungent, AcrylicPHYSICAL HAZARD:0

Personal Protection: See Section 8

WARNING: FLAMMABLE LIQUID AND VAPOR.

MAY CAUSE ALLERGIC SKIN REACTION.

MAY BE HARMFUL IF ABSORBED THROUGH SKIN OR INHALED. MAY CAUSE EYE, AND SKIN AND RESPIRATORY TRACT IRRITATION.

Primary Routes of Entry: Skin, inhalation, eyes

Signs and Symptoms of Exposure:

Inhalation: May be harmful if inhaled. Moderate respiratory tract irritation. Shortness of

breath. Coughing.

**Eye Contact:** Moderate eye irritation. Redness. Excess tearing.

**Skin Contact:** May be harmful if absorbed through skin. May cause allergic skin reaction.

Itching. Moderate skin irritation. Redness.

**Ingestion:** Not expected to be harmful by ingestion.

**Existing Conditions Aggravated by Exposure:** Eye, skin, and respiratory disorders.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredients</u>	_%	ACGIH TLV	OSHA PEL	<u>OTHER</u>
Methyl Methacrylate	30-60	100 ppm STEL 50 ppm TWA	100 ppm TWA 410 mg/m³ TWA	50 ppm
Synthetic Rubber	20-30	None	None	None
Methacrylic Acid	10-15	20 ppm TWA	None	None
Polygylcol Dimethacrylate	1-3	None	None	None
Tert-butyl perbenzoate	1-3	None	None	None
Fumed Silica	1-3	6 mg/m³TWA	10 mg/m³ TWA	3 mg/m³TWA respirable



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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 water for at least 15 minutes. Get medical attention.

5. FIRE FIGHTING MEASURES

Flash Point (TCC): 50°F

Recommended Extinguishing Agents: Dry chemical

Special Firefighting Procedures: Wear self-contained breathing apparatus and full protective clothing, such as

turn-out gear.

Hazardous Combustion Products: Carbon monoxide, carbon dioxide, smoke, aldehydes, organic acids

Unusual Fire or Explosion Hazards: Vapors may accumulate in low or confined areas, travel considerable distance

to source of ignition, and flash back.

Flammable/Explosive Limits – lower %: 2.1%
Flammable/Explosive Limits – upper %: 12.5%

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. Immediately contact emergency personnel. Keep

unnecessary personnel away.

7. HANDLING AND STORAGE

Handling: Keep away from heat, spark and flame. Avoid contact with eyes, skin and

clothing. Avoid breathing vapor and mist. Wash thoroughly after handling.

**Storage:** Keep in a cool, well ventilated area away from heat, sparks and open flame.

Keep container tightly closed until ready for use. For safe storage, store at a

temperature between 46°F to 82°F (8°C to 28°C).

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



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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid Color: White

Odor: Pungent, acrylic

**Vapor Pressure:** 29.25 mmHg @20°C (68° F)

Vapor Density:3.5Solubility in Water:SlightSpecific Gravity:1.04

**Boiling Point:** 101°C (214°F)

Volatile Organic Compound Content 1.82%; 18.4 grams/liter (A and B mixed)

Evaporation Rate (Ether = 1) Not available pH: Does not apply

10. STABILITY AND REACTIVITY

Stability: Stable

Hazardous Polymerization: May occur with excessive aging, excessive heat, polymerization catalyst,

inhibitor depletion, directsunlight and under oxygen-free atmospheres.

Hazardous Decomposition Products: None

**Incompatibility:** Oxidizing agents. Strong alkalis. Strong acids and strong bases. Amines.

11. TOXICOLOGICAL INFORMATION

Literature Referenced Target Organ Carcinogen Status and Other Health Effects IARC Ingredients: NTP **OSHA** AI G IRR **Methyl Methacrylate** KID LIV NER **RES** NO NO NO NO Synthetic Rubber No data NO NO **Methacrylic Acid** ALG COR **IRR** NO NO NO ALG **IRR Polygylcol Dimethacrylate** NO NO NO MUT NO Tert-butyl perbenzoate NO NO **Fumed Silica** NO NO NO NTO

Abbreviations:

ALG Allergen LIV Liver CNS Central Nervous System NER Nervous System

KID Kidney MUT Mutagen RES RespiratoryIRR Irritant COR Corrosive 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:** D001: Ignitable

### 14. TRANSPORTATION INFORMATION

U.S. Dept. of Transportation Ground (49 CFR):

Proper Shipping Name Adhesives

Hazard Class or Division: 3

Identification Number UN1133

Packing group:

Exceptions: (Not more than 5L) Consumer Commodity ORM-D

International Air Transportation (ICAO/IATA):

Proper Shipping Name: Adhesives

Hazard Class or Division:

Identification Number UN1133

Packing group:

Exceptions: (Not more than 500 ml) May Qualify as Consumer Commodity ID8000

WaterTransportation (IMO/IMDG):

Proper Shipping Name: Adhesives

Hazard Class or Division: 3

Identification Number UN1133

Packing group:

Marine pollutant: None Known

### 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): Methyl Methacrylate

### 16. OTHER INFORMATION

Prepared By: Jerry Litteral

Title: Director - Quality & Development

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Fusionbond® 371B Product Type: Acrylic Adhesive

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121 Tech Drive Emergency Telephone: 800-255-3924

Sanford, FL 32771 Web Site: www.hernon.com

## 2. HAZARDS IDENTIFICATION

### **EMERGENCY OVERVIEW**

HMIS:

Physical state:LiquidHEALTH:2\*Color:Off-WhiteFLAMMABILITY:3Odor:Pungent, AcrylicPHYSICAL HAZARD:1

Personal Protection: See Section 8

WARNING: FLAMMABLE LIQUID AND VAPOR.

MAY CAUSE ALLERGIC SKIN REACTION.

MAY CAUSE EYE, AND SKIN AND RESPIRATORY TRACT IRRITATION.

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**Inhalation:** Moderate respiratory tract irritation. Shortness of breath. Coughing.

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Ingestion: Not expected to be harmful by ingestion.

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## 3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u> %</u>	<b>ACGIH TLV</b>	OSHA PEL	<u>OTHER</u>
Methyl Methacrylate	60-100	100 ppm STEL 50 ppm TWA	100 ppm TWA 410 mg/m³ TWA	50 ppm
Acrylonitrile/butadiene Resin	20-30	None	None	None
Aldehyde-amine condensation	1-5	None	None	None



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4. FIRST AID MEASURES

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**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

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**Eye Contact:** Flush with water for at least 15 minutes. Get medical attention.

5. FIRE FIGHTING MEASURES

Flash Point (TCC): 50°F

Recommended Extinguishing Agents: Dry chemical

Special Firefighting Procedures: Wear self-contained breathing apparatus and full protective clothing, such as

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Hazardous Combustion Products: Carbon monoxide, carbon dioxide, smoke, aldehydes, organic acids

Unusual Fire or Explosion Hazards: Vapors may accumulate in low or confined areas, travel considerable distance

to source of ignition, and flash back.

Flammable/Explosive Limits – lower %: 2.1%
Flammable/Explosive Limits – upper %: 12.5%

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear proper protective equipment

Measures for Environmental Protection: Do not allow entry into drains or surface waters

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Specific Gravity: 0.97

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Volatile Organic Compound Content 1.82%; 18.4 grams/liter (A and B mixed)

Evaporation Rate (Ether = 1) Not available pH: Does not apply

10. STABILITY AND REACTIVITY

Stability: Stable

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**Incompatibility:** Oxidizing agents. Strong alkalis. Strong acids and strong bases. Amines.

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Aldehyde-amine condensation No data

NO NO NO

Abbreviations:

ALG Allergen LIV Liver NTO No Target Organs NER Nervous System

KID Kidney RES Respiratory IRR Irritant

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:** D001: Ignitable



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U.S. Dept. of Transportation Ground (49 CFR):

Proper Shipping Name Adhesives

Hazard Class or Division:

Identification Number UN1133

Packing group:

Exceptions: (Not more than 5L) Consumer Commodity ORM-D

International Air Transportation (ICAO/IATA):

Proper Shipping Name: Adhesives

Hazard Class or Division:

Identification Number UN1133

Packing group:

Exceptions: (Not more than 500 ml) May Qualify as Consumer Commodity ID8000

WaterTransportation (IMO/IMDG):

Proper Shipping Name: Adhesives

Hazard Class or Division: 3

Identification Number UN1133

Packing group:

Marine pollutant: None Known

## 15. REGULATORY INFORMATION

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