

**SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION****Product Name:** MR-721 Part A, MR-721 Part B Flooring Adhesive**Chemical Name:** Epoxy Adhesive**Product Use/Class:** Adhesive**Company Information:** Mannington Mills, Inc.  
P.O. Box 30 - Route 45  
75 Mannington Mills Road  
Salem, New Jersey 08079**Phone Numbers:** General: (856) 935-3000  
Product Emergency: (866) 359-5602  
Spill Response: (800) 424-9300**Effective Date:** 11/17/08**Supersedes Date:****Reason for Revision:****SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS**

| Chemical Name                         | CAS Number  | Weight % | Exposure Guidelines |         |            |         | Other |
|---------------------------------------|-------------|----------|---------------------|---------|------------|---------|-------|
|                                       |             |          | ACGIH - TLV         |         | OSHA - PEL |         |       |
|                                       |             |          | TWA                 | STEL    | TWA        | Ceiling |       |
| Part A                                |             |          |                     |         |            |         |       |
| Epoxy Resin                           | 025085-99-8 | 25-35    | NE                  | NE      | NE         | NE      |       |
| Polyurethane Prepolymer               | Proprietary | 11-17    | NE                  | NE      | NE         | NE      |       |
| C12-C14 Mono-Functional Epoxy Diluent | 68609-97-2  | 5-9      | NE                  | NE      | NE         | NE      |       |
| Calcium Carbonate                     | 1317-65-3   | 50-60    | 10mg/M³             | 10mg/M³ | 10mg/M³    | 10mg/M³ |       |
| Part B                                |             |          |                     |         |            |         |       |
| Polyamide Resin                       | 68410231    | 23-33    | NE                  | NE      | NE         | NE      |       |
| Polyamine                             | Proprietary | 6-12     | NE                  | NE      | NE         | NE      |       |
| Phenol                                | 108-95-2    | 6-9      | 5ppm                | 5ppm    | 5ppm       | 5ppm    |       |
| Tetraethylene Pentamine               | 112-57-2    | 1-4      | NE                  | NE      | NE         | NE      |       |
| Dipropylene Glycol Dibenzoate         | 27138-31-4  | 2-8      | NE                  | NE      | NE         | NE      |       |

**SECTION 3 - HAZARDS IDENTIFICATION**

## **EMERGENCY OVERVIEW**

**Form:** Part A: Beige Paste

Part B: Beige Paste

**Color:** Part A: Beige

Part B: Beige

**Odor:** Part A: Mild Odor

Part B: Amine Odor

## **WARNING STATEMENTS**

Potential skin and eye irritant. Harmful or fatal if swallowed.

## **POTENTIAL HEALTH EFFECTS**

### **Primary Routes of Exposure**

**Eye Contact:** May cause severe irritation. May damage eyes.

**Skin Contact:** Prolonged exposure may cause skin irritation. May cause drying or flaking of skin. Skin absorption of material may cause systemic toxicity.

**Inhalation:** Overexposure may cause severe respiratory tract irritation. Prolonged overexposure may cause central nervous system depression with narcotic effects (headaches, dizziness). Keep exposure below OSHA exposure limits.

**Ingestion:** Ingestion may cause severe injury to intestinal tract, liver, kidneys, stomach, throat, lungs, mouth and mucous membranes. Harmful or fatal if swallowed. Do Not Ingest.

**Chronic/ Carcinogenicity:** IARC: Not suspected as human carcinogen

OSHA: Not suspected as human carcinogen

NTP: Not suspected as human carcinogen

**Other:** None known

## **SECTION 4 - FIRST AID MEASURES**

**If in Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

**If on Skin:** Wash affected area with soap and water. If irritation persists, seek medical attention. Immediately remove contaminated clothing.

**If Inhaled:** Remove to fresh air. Restore breathing if necessary. Get medical attention. This material may cause lung damage. **DO NOT LEAVE VICTIM UNATTENDED.**

**If Swallowed:** If swallowed, seek medical attention immediately.

## **SECTION 5 - FIRE FIGHTING MEASURES**

**Flash Point:** Part A: >200 Deg F      Part B >200 Deg F      Flash Point Method - SETA FLASH METHOD

**Lower Explosive Limit (LEL) %:** Not Established

**Upper Explosive Limit (UEL) %:** Not Established

**Auto-Ignition Temperature:** Not Established

**OSHA Flammability Classification:** IIIB

**Hazardous Products of Combustion:** Carbon monoxide, carbon dioxide, smoke fumes, hydrocarbon fragments, nitrogen oxides, and amino compounds.

**Extinguishing Media:** Water Spray, Carbon Dioxide, Foam, Dry Chemical

**Unusual Fire and Explosion Hazards:** Do not expose to Excessive Heat, Open Flame or Sparks.

**Fire Fighting Equipment:** Respiratory (Self Contained Apparatus) and eye protection required.

**Miscellaneous Advice:**

*Refer to Section 10 for additional information.*

## **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Wear Protective Clothing

**Methods for Clean-up:** Soak up material with Sand or Clay. Place contaminated material in non-leaking container. *Refer to Section 13 for disposal information.*  
*Refer to Sections 14 and 15 for reportable quantity information.*

## SECTION 7 - HANDLING AND STORAGE

**Handling:** Avoid skin and eye contact. Do not handle until all safety precautions have been read and understood. Use with adequate ventilation.

**Storage:** Store in a cool (60- 95 deg F), dry, well ventilated area away from sun. Protect from freezing.

*Consult the Mannington Professional Installation Handbook for additional information on handling and storage.*

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls:** Ventilation exhaust at point of use is recommended. Do not use closed- air circulating system.

**Respiratory Protection:** A NIOSH/MSHA approved air supplied respirator is required in absence of proper ventilation. Engineering or administrative controls should be implemented to reduce exposure.

**Eye Protection:** Use safety glasses with side shields as minimum protection.

**Hand and Skin Protection:** If skin contact is likely, use neoprene or nitrile gloves. Remove contaminated clothing immediately.

**Other Protective Equipment:**

***Hygienic Practices:** Always wash hands before eating, smoking or using toilet facilities. Do not smoke in any chemical handling or storage area. Food or beverages should not be consumed anywhere this product is handled or stored. Wash thoroughly after handling.*

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Part A: Beige Paste  
Part B: Beige Paste

**Water Solubility:** Part A: Slightly soluble Part B: slightly soluble

**Physical State:** Part A: Beige Paste  
Part B: Beige Paste

**Volatiles (Wt. %):** Part A < 12gram/liter, Part B <12 gram/liter

**Volatiles (Vol. %):** Part A: <1 Part B: <1

**Odor:** Part A: Low Odor  
Part B: Amine Odor

**Vapor Pressure:** Part A > 1 Part B > 1

**Vapor Density:** Part A: NA Part B: NA

**Melting Point:** Not Applicable

**Boiling Point:** Part A: ~425° F Part B: ~350° F

**pH:** NA

**Specific Gravity:** Nominal Part A: 1.5 Part B: 1.3

**Evaporation Rate:** (Water = 1.0) Part A: NA Part B: NA

**Decomposition Temperature:** Not Established

**Flash Point:** Part A: >200 °F, Part B: >200 °F Flash Point Method – Seta Flash Method

## SECTION 10 - STABILITY AND REACTIVITY

**Conditions to Avoid:** Part A: Keep away from, open flames and spark producing equipment. Avoid build up of static electricity. Part B: Keep away from, open flames and spark producing equipment. Avoid build up of static electricity.

**Materials to Avoid:** Part A: Avoid Strong oxidizing agents, strong reducing agents, strong Acids and Bases, chloroform, nitric compounds, peroxides, sulfur dichloride and strong alkalies. Part B: Oxidizing Materials, Cleaning Solutions such as Chromerge (sulfuric acid/ dichromate) and Aqua Regia, chloroform, mercaptans, anhydrides and materials that react with amines.

**Stability:** Part A: Stable Part B: Stable

**Hazardous Reactions:** NA

**Hazardous Polymerization:** will not occur.

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, hydrocarbon fragments, nitrogen oxides, and amino compounds.

## SECTION 11 - TOXICOLOGICAL INFORMATION

**Product LD50 (Oral):** No Data

**Product LD50 (Dermal):** No Data

**Product LC50:** No Data

**Immediate (Acute) Effects:** Part A: skin irritation Part B: skin irritation

**Delayed (Sub-chronic & Chronic) Effects:** Part A: Liver and kidney damage. May cause corneal opacity. May cause central nervous system depression causing headaches, nausea and dizziness.

Part B: Liver and kidney damage. May cause corneal opacity. May cause central nervous system depression causing headaches, nausea and dizziness

## SECTION 12 - ECOLOGICAL INFORMATION

No information available.

## SECTION 13 - DISPOSAL CONSIDERATIONS

**US EPA RCRA Status:** N.A.

**Disposal Considerations:** N.A.

**Disposal Method:** N.A.

**Miscellaneous:** Disposal should be done in accordance with all local, state and federal(40 CFR Part 261) regulations. May incinerate at an EPA approved facility. MR-721 is a hazardous material if discarded. (CFR Vol. 40, PART 261, pages 51-114)

**PROPER WASTE DISPOSAL IS THE RESPONSIBILITY OF THE OWNER OF THE WASTE!**

## SECTION 14 - TRANSPORT INFORMATION

The information provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment for transport.

**DOT Proper Shipping Name:** N.A.

**DOT Hazard Class:** None

**DOT UN/NA Number:** N.A.

**Packing Group:** N.A.

**Emergency Response Guide Number:** N.A.

**Other:**

## SECTION 15 - REGULATORY INFORMATION

**U.S. Federal Regulations:** N.A.

**SARA Section 312:** Part A - Acute Health Hazard, Part B - Immediate Health hazard

**SARA Section 313:** None

**Toxic Substances Control Act:** All components listed

**Other:** California Proposition 65- This product contains the following chemical(s) known to the state of California to cause cancer, birth defects or reproductive harm. **None Known**

## SECTION 16 - OTHER INFORMATION

**Product Use:** Floor covering adhesive

| Hazard Ratings               | Health | Fire | Reactivity | Additional Information |
|------------------------------|--------|------|------------|------------------------|
| <b>Suggested NFPA Rating</b> | 2      | 1    | 0          |                        |
| <b>Suggested HMIS Rating</b> | 2      | 1    | 0          |                        |

**Disclaimer:**

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**Product Use:**

**Reason for Revision:**

**Prepared By:**

**Legend:**

N.E. - Not Established

N.A. - Not Available

N/A - Not Applicable

C - Ceiling (Exposure Levels)

PEL - Permissible Exposure Limits

OEL - Occupational Exposure Limit

TSCA - Toxic Substances Control Act

NFPA - National Fire Protection Association

TLV - Exposure Limits Developed by ACCIH

MSHA - Mine Safety and Health Administration

NIOSH - National Institute for Occupational Safety

OSHA - Occupational Safety and Health Administration

HAZCOM - Hazard Communication Standard (29CFR1910.1200)

ACGIH - American Conference of Government Industrial Hygienists

CERCLA - Comprehensive Environmental Response, Comprehensive and Liability Act

S - Skin

ppm - Parts per Million

° F. - Degrees Fahrenheit

° C. - Degrees Centigrade

STEL - Short-Term Exposure Limit

CIH - Certified Industrial Hygienist

TWA - Time Weighted Average