

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**Product Name:** MR-715 Part A, MR-715 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	20-40	NE	NE	NE	NE	
Polyurethane Prepolymer	Proprietary	2-10	NE	NE	NE	NE	
Calcium Carbonate	1317-65-3	40-60	10mg/M³	10mg/M³	10mg/M³	10mg/M³	
C12-C14 Mono-Functional Epoxy Diluent	68609-97-2	3-9	NE	NE	NE	NE	
Dipropylene Glycol Dibenzoate	27138-31-4	1-4	NE	NE	NE	NE	
Part B							
Polyamide Resin	68410231	5-10	NE	NE	NE	NE	
Polyamine	Proprietary	10-20	NE	NE	NE	NE	
Nonyl Phenol	25154-52-3	<14	NE	NE	NE	NE	
Calcium Carbonate	1317-65-3	40-60	10mg/M³	10mg/M³	10mg/M³	10mg/M³	
Benzyl Alcohol	100-51-6	<6	NE	NE	NE	NE	
4,4-Methylene Bis-Cyclohexamine	1761-71-3	<3	NE	NE	NE	NE	

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Form: Part A: Beige Paste

Part B: Gray Soft Paste

Color: Part A: Beige

Part B: Gray

Odor: Part A: Mild Odor

Part B: Mild Ammonia 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, phosgene, nitrogen oxides, hydrogen cyanide, toluene diisocyanate, 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: when heated above 250° F, Toluene Diisocyanate (TDI) is released. TDI is a carcinogen.

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 Guide for additional information on handling and storage.

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: Gray Paste

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

Odor: Part A: Low Odor
Part B: Ammonia Odor

Melting Point: Not Applicable

pH: NA

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

Decomposition Temperature: Not Established

Flash Point: Part A: 320- 485 °F, Part B: 243 °F Flash Point Method – Seta Flash Method

Water Solubility: Part A: Not soluble Part B: slightly soluble

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

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

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

Vapor Density: Part A: NA Part B: NA

Boiling Point: Part A: >425° F Part B: >390° F

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

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. When heated above 250°F, TDI is released. TDI is a carcinogen. 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: When heated above 250°F, TDI is released. TDI is a carcinogen.

Hazardous Polymerization: will not occur.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, hydrocarbon fragments, phosgene, nitrogen oxides, hydrogen cyanide, toluene diisocyanate, 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-715 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
Suggested NFPA Rating	2	1	0	
Suggested HMIS Rating	2	1	0	

Disclaimer:

Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date of hereof, the company makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will the company be responsible for damages of any nature whatsoever resulting from the use of or reliance upon Information. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.

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