V95 Solvent Free Epoxy Flooring Adhesive MANNINGTON® Part A

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

Revision Date: 6/16/2015 Date of issue: 6/16/2015

Version:

SECTION 1: IDENTIFICATION

1.1. Product Identifier Product Form: Semi solid Paste

Product Name: V95 Solvent Free Epoxy Flooring Adhesive Part A

1.2. Intended Use of the Product

Use of the substance/mixture: Part A and Part B when mixed uniformly is used for indoor installation of Mannington Commercial BioSpec, Lifelines II, Mannington Assurance II, Realities, Primus, Nature's Path, Nature's Path Select, and Mannington Assurance LV flooring products.

1.3. Name, Address, and Telephone of the Responsible Party

Mannington Mills, Inc. P.O. Box 30 – Route 45 75 Mannington Mills Road Salem, New Jersey 08079 U.S.A. General Information: (856) 935-3000

1.4. Emergency Telephone Numbers

: Product/Medical Emergency Phone Number (24 Hours): (866) 359-5602

: Transport Emergency:

Within the U.S. - CHEMTREC: (800) 424-9300 Outside the U.S. - CHEMTREC: +1-703-527-3887

SECTION 2: HAZARDS IDENTIFICATION

None as per OSHA Regulation: 29 CFR 1910.1200

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Name	Product Identifier	%	Classification (GHS-US)
Epoxy resin	25068-36-6	50 - 60	

3.2. Mixture

Name	Product Identifier	%	Classification (GHS-US)

Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

First-aid Measures General: Never give anything by mouth to unconscious person. If you feel unwell, seek medical advice.

First-aid Measures After Inhalation: Remove person to fresh air. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical attention.

First-aid Measures After Skin Contact: Wash contaminated area with soap and water. Remove contaminated clothing and wash before reuse. If irritation develops, seek medical attention.

First-aid Measures After Eye Contact: Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.

First-aid Measures After Ingestion: If swallowed, do not induce vomiting. Seek immediate medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/Injuries: Eczema, Allergy and existing skin conditions might be aggravated due to exposure.

Symptoms/Injuries After Inhalation: Product has mild odor. None is expected.

Symptoms/Injuries After Skin Contact: Slight irritation might happen.
Symptoms/Injuries After Eye Contact: Irritation might happen

Symptoms/Injuries After Ingestion: Gastro intestinal irritation might happen

Chronic Symptoms: No data available

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4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Foam, dry powder, carbon dioxide, water spray.

Unsuitable Extinguishing Media: Do not use heavy water stream.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Decomposition and combustion products may be toxic

Explosion Hazard: Decomposition and combustion products may be toxic

Reactivity: Will react with amine. Avoid strong acids and bases in bulk and elevated temperatures.

5.3. Advice for Firefighters

Precautionary Measures Fire: Decomposition and combustion products may be toxic

Firefighting Instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid fire-fighting water to enter environment.

Protection During Firefighting: For fires in enclosed areas, wear self-contained breathing apparatus. Do not inhale combustion gases.

Other Information:

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Always wear chemical resistant gloves, safety glasses, apron and boots if necessary to prevent contact.

6.1.1. For Non-emergency Personnel

Protective Equipment: Always wear chemical resistant gloves, safety glasses, apron and boots if necessary to prevent contact.

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Responders

Protective Equipment: Always wear chemical resistant gloves, safety glasses, apron and boots if necessary to prevent contact.

Emergency Procedures: Ventilate the area

6.2. Environmental Precautions

6.3. Methods and Material for Containment and Cleaning Up

For Containment: Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. **Methods for Cleaning Up:** Remove material, use adsorbents and remove residue from the area and contain in approved containers for proper disposal.

6.4. Reference to Other Sections

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Additional Hazards When Processed: Avoid contact with eyes. Avoid repeated contact with skin. Avoid breathing of vapors, if any.

Hygiene Measures: Always wash skin after contact. Wash clothing before re-use.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Product is stable

Storage Conditions: Store adhesives in a well ventilated area.

Incompatible Products: strong bases.

Storage Temperature: 65 degrees F – 95 degrees F

7.3. Specific End Use(s) Adhesive for the installation of various flooring materials.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

8.2. Exposure Controls

Appropriate Engineering Controls : Use local exhaust. Do not use closed air-circulating. Open windows and doors if

necessary.

Personal Protective Equipment : Avoid all unnecessary exposure

Materials for Protective Clothing : Non porous material

Hand Protection: Wear chemical resistant glovesEye Protection: Chemical goggles or safety glasses

Skin and Body Protection: Use clothing to prevent skin and body contactRespiratory Protection: Not necessary. NIOSH respirator if needed

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Environmental Exposure Controls : None needed

Consumer Exposure Controls : Maintain proper ventilation, use protective equipment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State: Soft pasteAppearance: Off white

Odor : Mild characteristic smell

Odor Threshold : no data available pH not determined : not determined

Evaporation Rate : low

Melting Point: not applicableFreezing Point: not determinedBoiling Point: > 200 degrees C...Flash Point: 320 - 485 degrees FAuto-ignition Temperature: not determinedDecomposition Temperature: not known

Flammability (solid, gas) : not flammable but will burn in dry state

Vapor Pressure : not determined Relative Vapor Density at 20 °C : Not determined

Relative Density : 10.76 – 11.59 lbs. per gallon

Specific Gravity : 1.29 - 1.39 g/cc

Specific gravity / density : 1.34 g/cc , 11.18 lbs. per gallon

Solubility : Insoluble

 Partition Coefficient: N-Octanol/Water
 : Data not available

 Viscosity
 : 50,000 – 75,000 cps

 Lower Flammable Limit
 : Not determined

 Upper Flammable Limit
 : Not determined

9.2. Other Information

VOC content : 0 grams per liter

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity: stable

10.2. Chemical Stability: stable

10.3. Possibility of Hazardous Reactions: none

10.4. Conditions to Avoid: extreme temperature conditions. Keep from freezing.

10.5. Incompatible Materials: strong oxidizing agents

10.6. Hazardous Decomposition Products: carbon dioxides, carbon monoxides, aldehydes.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information On Toxicological Effects

Acute Toxicity: (Rat) > 5,000 mg per kg

Skin Corrosion/Irritation: (Rabbit) > 6000 mg / kg **Serious Eye Damage/Irritation:** (Rabbit) slight irritation **Respiratory or Skin Sensitization:** Moderate sensitizer

Germ Cell Mutagenicity: not known

Carcinogenicity: not considered as carcinogen based on IARC

Reproductive Toxicity: not known

Specific Target Organ Toxicity (Single Exposure): not known
Specific Target Organ Toxicity (Repeated Exposure): not known

Aspiration Hazard: none if product is handled / used where it is intended. Symptoms/Injuries After Inhalation: might cause headache, nausea Symptoms/Injuries After Skin Contact: might cause slight irritation Symptoms/Injuries After Eye Contact: might cause irritation

Symptoms/Injuries After Ingestion: might cause gastro intestinal disorders

Chronic Symptoms: none known

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity: No data available. Prevent entry into waterways

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Persistence and Degradability: Material is organic 12.2.

Persistence and Degradability

12.3. **Bioaccumulative Potential**

No data available

12.4. **Mobility in Soil**

Not applicable - Material is viscous liquid material (soft solid)

12.5. **Other Adverse Effects**

not known

Other Information

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Sewage Disposal Recommendations: Avoid release to the environment

Waste Disposal Recommendations: Dispose in a safe manner in accordance to local/ national regulations. Dispose contents to approved DOT containers.

Additional Information:

SECTION 14: TRANSPORT INFORMATION

14.1. In Accordance with DOT

Proper Shipping Name : Not regulated

Hazard Class

Identification Number

Label Codes

Packing Group

ERG Number

14.2. In Accordance with IMDG (not transported via waterways)

: IMDG Applicability Not Determined as this material is not currently shipped via ocean vessel **Proper Shipping Name**

Hazard Class

Identification Number

Packing Group

Label Codes

EmS-No. (Fire)

EmS-No. (Spillage)

MFAG Number

(not transported via air) 14.3. In Accordance with IATA

Proper Shipping Name : IATA Applicability Not Determined as this material is not currently shipped via aircraft

Packing Group

Identification Number

Hazard Class

Label Codes

ERG Code (IATA)

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

All Components of this product are either listed or exempt in the EPA TSCA list

EPA SARA Title III Section 313: None

SARA Title III Section 312 Hazard Class: None

OSHA Hazard Communication Standard (29 CFR1910.1200) Hazard Class(es): None

CA Proposition 65: This product contains chemical(s) known to the state of CA to cause cancer and / or reproductive harm.

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SECTION 16: OTHER INFORMATION, INCLUDING	G DATE OF PREPARATION OR LAST REVISION
Revision Date	: February 2015
Other Information	: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.
GHS Full Text Phrases:	
This information is based on our surrent knowledge and	is intended to describe the product for the purposes of health, cafety and

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

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Part B



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Version:

SECTION 1: IDENTIFICATION

1.1. **Product Identifier Product Form: Semi solid Paste**

Product Name: V95 Solvent Free Epoxy Flooring Adhesive Part B

Intended Use of the Product

Use of the substance/mixture: Part A and Part B when mixed uniformly is used for indoor installation of Mannington Commercial BioSpec, Lifelines II, Mannington Assurance II, Realities, Primus, Nature's Path, Nature's Path Select, and Mannington Assurance LV flooring products.

Name, Address, and Telephone of the Responsible Party

Mannington Mills. Inc. P.O. Box 30 - Route 45 75 Mannington Mills Road Salem, New Jersey 08079 U.S.A. General Information: (856) 935-3000

1.4. **Emergency Telephone Numbers**

: Product/Medical Emergency Phone Number (24 Hours): (866) 359-5602

: Transport Emergency:

Within the U.S. - CHEMTREC: (800) 424-9300 Outside the U.S. - CHEMTREC: +1-703-527-3887

SECTION 2: HAZARDS IDENTIFICATION

None as per OSHA Regulation: 29 CFR 1910.1200

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Name	Product Identifier	%	Classification (GHS-US)

3.2. Mixture

Name	Product Identifier	%	Classification (GHS-US)
Modified Polyamide	mixture	40 - 50	

Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

First-aid Measures General: Seek medical advice. If breathing has stopped or is labored, give assisted respirations.

First-aid Measures After Inhalation: Remove person to fresh air. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical attention.

First-aid Measures After Skin Contact: Wash contaminated area with soap and plenty of water for at least 20 minutes. Remove contaminated clothing and wash before reuse. If irritation develops, seek medical attention.

First-aid Measures After Eye Contact: Hold eyelids apart and flush eyes with plenty of water for at least 20 minutes. Get medical attention.

First-aid Measures After Ingestion: If swallowed, do not induce vomiting. Seek immediate medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms/Injuries: Eczema, Allergy and existing skin conditions might be aggravated due to exposure.

Symptoms/Injuries After Inhalation: Product has mild odor. None is expected.

Symptoms/Injuries After Skin Contact: Slight irritation might happen.

Symptoms/Injuries After Eye Contact: Irritation might happen

Symptoms/Injuries After Ingestion: Gastro intestinal irritation might happen

Chronic Symptoms: No data available

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4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Alcohol resistant foam, Carbon dioxide, dry chemical, dry sand, limestone powder

Unsuitable Extinguishing Media: Do not use heavy water stream.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: ammonia gas may be liberated at high temperature.

Explosion Hazard: Decomposition and combustion products may be toxic. Incomplete combustion will increase the formation of nitrogen oxides, incomplete combustion will also form carbon monoxides. Toxic fumes will be liberated.

Reactivity: Avoid strong acids and bases in bulk and elevated temperatures.

5.3. Advice for Firefighters

Precautionary Measures Fire: Decomposition and combustion products may be toxic

Firefighting Instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid fire-fighting water to enter environment.

Protection During Firefighting: For fires in enclosed areas, wear self-contained breathing apparatus. Do not inhale combustion gases.

Other Information:

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Always wear appropriate respirators, chemical resistant gloves, safety glasses, apron and boots if necessary to prevent contact.

6.1.1. For Non-emergency Personnel

Protective Equipment: Always wear chemical resistant gloves, safety glasses, apron and boots if necessary to prevent contact.

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Responders

Protective Equipment Always wear appropriate respirators, chemical resistant gloves, safety glasses, apron and boots if necessary to prevent contact.

Emergency Procedures: Ventilate the area

6.2. Environmental Precautions

6.3. Methods and Material for Containment and Cleaning Up

For Containment: Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. **Methods for Cleaning Up:** Remove material, use adsorbents and remove residue from the area and contain in approved containers for proper disposal.

6.4. Reference to Other Sections

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Additional Hazards When Processed: Avoid contact with eyes. Avoid repeated contact with skin. Avoid breathing of vapors, if any. Do not use sodium nitrite or other nitrosating agents in formulations containing this material. Suspected cancer causing nitroamines could be formed.

Hygiene Measures: Always wash skin after contact. Wash clothing before re-use.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Product is stable.

Storage Conditions: Store adhesives in a well ventilated area. Do not store near acids. Do not store in reactive metal containers.

Incompatible Products: strong acids.

Storage Temperature: 65 degrees F - 95 degrees F

7.3. Specific End Use(s) Adhesive for the installation of various flooring materials.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

8.2. Exposure Controls

Appropriate Engineering Controls : Use local exhaust. Do not use closed air-circulating. Open windows and doors if

necessary.

Personal Protective Equipment : Avoid all unnecessary exposure

Materials for Protective Clothing : Non porous material

Hand Protection: Wear chemical resistant glovesEye Protection: Chemical goggles or safety glasses

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Skin and Body Protection : Use clothing to prevent skin and body contact

Respiratory Protection : NIOSH respirator if needed

Environmental Exposure Controls : None needed

Consumer Exposure Controls : Maintain proper ventilation, use protective equipment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical PropertiesPhysical State : Soft pasteAppearance : amber

Odor Threshold : Amine, irritating
Odor Threshold : no data available
pH not determined : not determined

Evaporation Rate : low

 Melting Point
 : not applicable

 Freezing Point
 : not determined

 Boiling Point
 : > 400 degrees F.

 Flash Point
 : 195 degrees C

 Auto-ignition Temperature
 : not determined

 Decomposition Temperature
 : not known

 Flammability (solid, gas)
 : will burn

Vapor Pressure : < 10.34 mm Hg at 21 degrees C

Relative Vapor Density at 20 °C : Not determined

Relative Density : 11.49 – 12.20 lbs. per gallon

Specific Gravity : 1.38 - 1.46 g/cc

Specific gravity / density : 1.42 g/cc , 11.85 lbs. per gallon

 Solubility
 : Miscible in water

 Partition Coefficient: N-Octanol/Water
 : Data not available

 Viscosity
 : 125,000 – 175,000 cps

 Lower Flammable Limit
 : Not determined

 Upper Flammable Limit
 : Not determined

9.2. Other Information

VOC content : 0 grams per liter

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity: stable

10.2. Chemical Stability: stable

10.3. Possibility of Hazardous Reactions: none

- **10.4. Conditions to Avoid:** extreme temperature conditions. Keep from freezing.
- 10.5. Incompatible Materials: strong oxidizing agents
- 10.6. Hazardous Decomposition Products: carbon dioxides, carbon monoxides, aldehydes.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information On Toxicological Effects

Acute Toxicity: (Rat) > 2,000 mg per kg (ingestion)
Skin Corrosion/Irritation: (Rabbit) 8550 mg / kg
Serious Eye Damage/Irritation: Eye irritation

Respiratory or Skin Sensitization: Moderate skin irritation / sensitization

Germ Cell Mutagenicity: not known

Carcinogenicity: not considered as carcinogen based on IARC, ACGIH, NTP and or OSHA

Reproductive Toxicity: not known

Specific Target Organ Toxicity (Single Exposure): not known
Specific Target Organ Toxicity (Repeated Exposure): not known

Aspiration Hazard: none if product is handled / used where it is intended. Symptoms/Injuries After Inhalation: might cause headache, nausea Symptoms/Injuries After Skin Contact: might cause slight irritation

Symptoms/Injuries After Eye Contact: might cause irritation

Symptoms/Injuries After Ingestion: might cause gastro intestinal disorders

Chronic Symptoms: none known

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SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity: No data available. Prevent entry into waterways

12.2. Persistence and Degradability: Material is organic

Persistence and Degradability

12.3. Bioaccumulative Potential

No data available

12.4. Mobility in Soil

Not applicable - Material is viscous liquid material (soft solid)

12.5. Other Adverse Effects

not known

Other Information

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Sewage Disposal Recommendations: Avoid release to the environment

Waste Disposal Recommendations: Dispose in a safe manner in accordance to local/ national regulations. Dispose contents to approved DOT containers.

Additional Information:

SECTION 14: TRANSPORT INFORMATION

14.1. In Accordance with DOT

Proper Shipping Name : Not regulated

Hazard Class
Identification Number

Identification Number :

Label Codes
Packing Group

ERG Number

14.2. In Accordance with IMDG (not transported via waterways)

Proper Shipping Name : IMDG Applicability Not Determined as this material is not currently shipped via ocean vessel

Hazard Class

Identification Number : Packing Group :

Label Codes

EmS-No. (Fire) EmS-No. (Spillage)

MFAG Number

14.3. In Accordance with IATA

(not transported via air)

Proper Shipping Name : IATA Applicability Not Determined as this material is not currently shipped via aircraft

Packing Group
Identification Number

Hazard Class

Label Codes

ERG Code (IATA)

SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations

All Components of this product are either listed or exempt in the EPA TSCA list

EPA SARA Title III Section 313: None

SARA Title III Section 312 Hazard Class: None

OSHA Hazard Communication Standard (29 CFR1910.1200) Hazard Class(es): None

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According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 16: OTHER INFORMATION, INCLU	JDING DATE OF PREPARATION OR LAST REVISION
Revision Date	: February 2015
Other Information	: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.
GHS Full Text Phrases:	
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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

SDS US (GHS HazCom)

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