SECTION 1: IDENTIFICATION

1.1. Product Identifier
Product Form: Liquid
Product Name: Mannington Premium Universal Primer

1.2. Intended Use of the Product
Use of the substance/mixture: Primer coat on concrete, plywood, floor patch, and other porous surfaces to prevent over absorption of adhesives.

1.3. Name, Address, and Telephone of the Responsible Party
Company: MANNINGTON COMMERCIAL
P.O. Box 12281
Calhoun, GA 30703-7004
Technical Phone No. 800-241-2262

1.4. Emergency Telephone Number
Emergency Number: Within the U.S. 800 535-5053
Outside the U.S.

SECTION 2: HAZARDS IDENTIFICATION

None per OSHA Regulation 29 CFR 1910-1200

Full text of H-phrases: see section 16

2.2. Label Elements
GHS-US Labeling
Hazard Pictograms (GHS-US):
Signal Word (GHS-US):
Hazard Statements (GHS-US)
Precautionary Statements (GHS-US):

2.3. Other Hazards

2.4. Unknown Acute Toxicity (GHS-US)

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

<table>
<thead>
<tr>
<th>Name</th>
<th>Product Identifier</th>
<th>%</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>75 - 77</td>
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</tbody>
</table>

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product Identifier</th>
<th>%</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acrylic polymer latex</td>
<td>Trade Secret</td>
<td>20 - 25</td>
<td></td>
</tr>
<tr>
<td>Biocide</td>
<td></td>
<td>&lt; 0.05</td>
<td></td>
</tr>
</tbody>
</table>

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:
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

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

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media
Suitable Extinguishing Media: None required. Product is a water based material. Product will burn in a dry state. If needed use foam, dry powder, carbon dioxide, water spray, sand.
Unsuitable Extinguishing Media: Do not use heavy water stream.

5.2. Special Hazards Arising From the Substance or Mixture
Fire Hazard: None
Explosion Hazard: None
Reactivity: Not reactive

5.3. Advice for Firefighters
Precautionary Measures Fire: Product is water based material. Will not ignite in the presence of fire. Product will burn on a dry state.
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.
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 and scrape 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-sue.
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 and strong acids.
Storage Temperature: 65 degrees F – 95 degrees F

7.3. Specific End Use(s) Adhesive for the installation of vinyl backed flooring.

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 gloves
Eye Protection: Chemical goggles or safety glasses
Skin and Body Protection: Use clothing to prevent skin and body contact
Respiratory Protection: Not necessary. 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 Properties
Physical State: Low viscosity liquid material
Appearance: White to cream colored liquid
Odor: mild
Odor Threshold: no data available
pH: 3 – 4.5
Evaporation Rate: low
Melting Point: not applicable
Freezing Point: relatively same as water
Boiling Point: relatively same as water
Flash Point: none
Auto-ignition Temperature: not applicable
Decomposition Temperature: not known
Flammability (solid, gas): not flammable but will burn in dry state
Vapor Pressure: Same as water
Relative Vapor Density at 20 °C: Same as water
Relative Density: 8.3 – 8.7 lbs. per gallon
Specific Gravity: 1.0- 1.04 grams per cc
Specific gravity / density: 1.0 – 1.04 grams/cc, 8.3 – 8.7 lbs. per gallon
Solubility: Miscible in water
Partition Coefficient: N-Octanol/Water: Data not available
Viscosity: Relatively the same as water
Lower Flammable Limit: Not applicable
Upper Flammable Limit: Not applicable

9.2. Other Information
VOC content (max): 1 grams per liter

SECTION 10: STABILITY AND REACTIVITY
10.1. Reactivity: stable
10.2. Chemical Stability: stable
10.3. Possibility of Hazardous Reactions: none
10.5. Incompatible Materials: strong acids and bases

SECTION 11: TOXICOLOGICAL INFORMATION
11.1. Information On Toxicological Effects
Acute Toxicity: not known
Skin Corrosion/Irritation: might cause skin irritation on contact
Serious Eye Damage/Irritation: might cause eye irritation on contact
Respiratory or Skin Sensitization: might cause skin irritation on contact
Germ Cell Mutagenicity: not considered as mutagen
Carcinogenicity: not considered as carcinogen
Reproductive Toxicity: not considered as reproductive toxin
Specific Target Organ Toxicity (Single Exposure): none
Specific Target Organ Toxicity (Repeated Exposure): none
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 gastrointestinal disorders
Chronic Symptoms: none known

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 of contents in appropriate 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 regulated
   Proper Shipping Name:
   Hazard Class:
   Identification Number:
   Packing Group:
   Label Codes:
   EmS-No. (Fire):
   EmS-No. (Spillage):
   MFAG Number:

14.3. In Accordance with IATA Not regulated
   Proper Shipping Name
   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
SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

<table>
<thead>
<tr>
<th>Revision Date</th>
<th>February 2018</th>
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<tbody>
<tr>
<td>Other Information</td>
<td>This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.</td>
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</tbody>
</table>

GHS Full Text Phrases:

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)