

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**Product Name:** Mannington M-Guard 418 Ultra Premium Commercial Carpet Adhesive**Chemical Name:** Synthetic Resin Emulsion**Product Use/Class:** Flooring Adhesive / Aqueous Emulsion**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:** 12/22/2008**Supersedes Date:** 8/29/2006**Reason for Revision:** Updated MSDS Format**SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	CAS Number	Weight %	Exposure Guidelines				Other
			ACGIH - TLV		OSHA - PEL		
			TWA	STEL	TWA	Ceiling	
None per OSHA Standard 29 CFR 1910.1200 & SARA Title III, Section 313.							

SECTION 3 - HAZARDS IDENTIFICATION**This product contains no hazardous ingredients.****EMERGENCY OVERVIEW****Form:** Viscous Emulsion**Color:** Beige**Odor:** Slight Amine**WARNING STATEMENTS**

POTENTIAL HEALTH EFFECTS

Primary Routes of Exposure

- **Eye Contact:** May cause minor eye irritation.
- **Skin Contact:** Prolonged repeated exposure may result in skin irritation. Avoid contact with skin.
- **Inhalation:** This product is low in volatility and is not expected to pose an inhalation hazard.
- **Ingestion:** Not considered to be a likely route of exposure
- **Chronic:** None expected.
- **Other:**

Refer to Section 11 for toxicological information.

SECTION 4 - FIRST AID MEASURES

If in Eyes: Flush eyes with water for 15 minutes until irritation subsides. If irritation persists, seek medical attention.

If on Skin: Wash exposed skin with mild soap and water. Seek medical attention if a rash, irritation, or dermatitis persists.

If Inhaled: Remove worker to fresh air. Seek medical attention if irritation, severe coughing, or breathing difficulty occurs. Provide medical personnel a copy of this MSDS.

If Swallowed: Not a typical route of occupational exposure. Small amounts are not expected to have adverse effects. If larger amounts are ingested, seek medical attention immediately.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: >200° F PMCC

Lower Explosive Limit (LEL) %: N/A

Upper Explosive Limit (UEL) %: N/A

Auto-Ignition Temperature: N/A

OSHA Flammability Classification: 111B

Hazardous Products of Combustion: N/A

Extinguishing Media: Water spray, dry chemical, carbon dioxide, and foam.

Unusual Fire and Explosion Hazards: None

Fire Fighting Equipment: Wear standard fire fighting gear with self-contained breathing apparatus.

Miscellaneous Advice: Dried Adhesive will burn if exposed to ignition source, or heated to temperatures above 400° F, producing carbon dioxide, carbon monoxide, and thick smoke with hydrocarbons.

Refer to Section 10 for additional information.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid skin and eye contact.

Methods for Clean-up: Contain with absorbent material. Scoop material into DOT approved containers. Remove to safe place where material can dry.

Refer to Section 13 for disposal information.

Refer to Sections 14 and 15 for reportable quantity information.

SECTION 7 - HANDLING AND STORAGE

Handling: Use with adequate ventilation. Open doors and windows, and utilize other means to assure fresh air entry and exhaust. Wear eye protection to avoid splashes.

Storage: This product has been formulated to be freeze/thaw stable. Every attempt should be made to store this and any adhesive above 32°F. Do not expose to temperatures below 10°F.

Lower temperatures can cause permanent damage to the product. This product has a shelf life of a minimum of one year at 70°F. Keep out of reach of children.

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

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use with adequate ventilation.

Respiratory Protection: None required with normal ventilation.

Eye Protection: Wear safety glasses or goggles to avoid splashes.

Hand and Skin Protection: Gloves should be worn if product is likely to come into contact with hands or skin for any prolonged period of time.

Other Protective Equipment: None required.

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: Beige

Physical State: Paste

Melting Point: N/A

Boiling Point: 212°F

Density: 10.83 lbs/gal

Vapor Density: Heavier than Air

Specific Gravity: 1.3 g/l (Water = 1.0)

Water Solubility: Miscible

Volatiles (Wt. %): 18%

VOC (Grams Per Liter): 7 g/l calculated

Evaporation Rate: Slower than Ether

pH: 9.8

SECTION 10 - STABILITY AND REACTIVITY

Conditions to Avoid: Protect from Freezing.

Materials to Avoid: Strong oxidizers, acids, and bases.

Stability: Stable.

Hazardous Reactions: None Known.

Hazardous Polymerization: Will not occur.

Hazardous Decomposition Products: Carbon dioxide, carbon monoxide, and other organic compounds.

SECTION 11 - TOXICOLOGICAL INFORMATION

Product LD50 (Oral): None Known.

Product LD50 (Dermal): None Known.

Product LC50: None Known.

Immediate (Acute) Effects: None Known. Not a suspected carcinogen.

Delayed (Subchronic & Chronic) Effects: None Known.

SECTION 12 - ECOLOGICAL INFORMATION

Use of this product as intended should not pose adverse affects on the environment.

SECTION 13 - DISPOSAL CONSIDERATIONS

US EPA RCRA Status: It is the responsibility of the user to determine if this material is RCRA Hazardous waste at the time of disposal.

Disposal Considerations: Never place liquid adhesive in a dumpster.

Disposal Method: Allow material to dry, and then dispose of in accordance with federal, state, local, and provincial regulations.

Miscellaneous: Disposal should be done in accordance with all local, state and federal (40 CFR Part 261) regulations. Be aware that state and local requirements differ widely depending on location and may in many cases be different from federal rules.

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: Adhesive

DOT Hazard Class: Not regulated.

DOT UN/NA Number: N/A

Packing Group: N/A

Emergency Response Guide Number: Chemtrec 800-424-9300

Other:

SECTION 15 - REGULATORY INFORMATION

U.S. Federal Regulations: N/A

SARA Section 313: N/A

Toxic Substances Control Act: N/A

Inventory Status: N/A
 Export Notification: N/A
 Other:

SECTION 16 - OTHER INFORMATION

Hazard Ratings	Health	Fire	Reactivity	Additional Information
Suggested NFPA Rating	0	0	0	
Suggested HMIS Rating	1	0	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.

Legend:

N.E. - Not Established	S - Skin
N.A. - Not Available	ppm - Parts per Million
N/A - Not Applicable	° F. - Degrees Fahrenheit
C - Ceiling (Exposure Levels)	° C. - Degrees Centigrade
PEL - Permissible Exposure Limits	STEL - Short-Term Exposure Limit
OEL - Occupational Exposure Limit	CIH - Certified Industrial Hygienist
TSCA - Toxic Substances Control Act	TWA - Time Weighted Average
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	