

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**Product Name:** MC-411**Chemical Name:** Aqueous adhesive compound**Product Use/Class:** Carpet 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:** March 18, 2009**Supercedes Date:** New**Reason for Revision:** NA**SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	CAS Number	Weight %	Exposure Guidelines				
			ACGIH - TLV		OSHA - PEL		Other
			TWA	STEL	TWA	Ceiling	
Proprietary							

SECTION 3 - HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW****Form:** Viscous liquid
Color: Creamy Tan
Odor: Low odor**WARNING STATEMENTS**

Keep out of reach of children. For professional use only.

POTENTIAL HEALTH EFFECTS

Primary Routes of Exposure

- **Eye Contact:** May cause eye irritation.
- **Skin Contact:** Prolonged exposure may irritate skin.
- **Inhalation:** No known effects.
- **Ingestion:** May cause irritation.
- **Chronic:** No known effects.
- **Other:** None known.

Refer to Section 11 for toxicological information.

SECTION 4 - FIRST AID MEASURES

If in Eyes: Immediately flush eyes with water for 10-15 minutes. See a doctor if irritation persists.

If on Skin: Wash with soap and water.

If Inhaled: If symptomatic, move to fresh air.

If Swallowed: Seek medical attention immediately.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: > 212 deg. F. (non-flammable)

Lower Explosive Limit (LEL) %: Not established.

Upper Explosive Limit (UEL) %: Not established.

Auto-Ignition Temperature: Non-flammable in liquid state.

OSHA Flammability Classification: Non-flammable.

Hazardous Products of Combustion: Normal CO_x decomposition products.

Extinguishing Media: Water, CO₂, dry chemical.

Unusual Fire and Explosion Hazards: None.

Fire Fighting Equipment: Wear full firefighting protective clothing and self-contained breathing apparatus.

Miscellaneous Advice: Use water fog to cool containers exposed to extreme heat.

Refer to Section 10 for additional information.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use protective clothing and impervious gloves when cleaning up spills.

Methods for Clean-up: Recover as much as possible and wash floor afterwards with water.

Smaller spills may be wiped up or absorbed onto inert material and handled as solid waste.

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. Remove contaminated clothing.

Storage: Store inside between 60 - 100 deg. F. Protect from freezing.

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

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: None known.

Respiratory Protection: None required with adequate ventilation.

Eye Protection: Safety glasses recommended.

Hand and Skin Protection: Avoid contact with skin when handling adhesive.

Other Protective Equipment: Wear protective clothing to avoid skin contact.

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: Creamy

Physical State: Paste

Melting Point: Not applicable

Boiling Point: 212 deg. F.

Density: 9.5 lbs./gallon

Vapor Density: Same as water

Specific Gravity: 1.14 (Water = 1.0)

Water Solubility: insoluble (dispersible)

Volatiles (Wt. %): 34 - 36% as water

VOC (Grams Per Liter): none (calculated)

Vapor Pressure: Same as water

Evaporation Rate: Same as water

pH: 9.5 - 9.9

Decomposition Temperature: Not established.

SECTION 10 - STABILITY AND REACTIVITY

Conditions to Avoid: Excessive heat or cold.

Materials to Avoid: None known.

Stability: Stable.

Hazardous Reactions: None known.

Hazardous Polymerization: Will not occur.

Hazardous Decomposition Products: Normal decomposition products (CO, CO₂).

SECTION 11 - TOXICOLOGICAL INFORMATION

Product LD₅₀ (Oral): Not established.

Product LD₅₀ (Dermal): Not established.

Product LC₅₀: Not established.

Immediate (Acute) Effects: None known.

Delayed (Subchronic & Chronic) Effects: None known.

SECTION 12 - ECOLOGICAL INFORMATION

No information available for this product.

SECTION 13 - DISPOSAL CONSIDERATIONS

US EPA RCRA Status: Does not meet RCRA's characteristic definition of ignitability, corrosivity, or reactivity, and is not listed in 40 CFR 261.33.

Disposal Considerations: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Disposal Method: Transfer liquids and solid diking or absorbent materials in separate containers for recovery or disposal.

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: Not regulated for transport.

DOT Hazard Class: Unregulated.

DOT UN/NA Number: Unregulated.

Packing Group: Unregulated.

Emergency Response Guide Number: Unregulated.

Other: None.

SECTION 15 - REGULATORY INFORMATION

U.S. Federal Regulations:

SARA Section 313: To the best of our knowledge, this product does not contain any substance(s) above the de minimus level which require reporting under this statute.

Toxic Substances Control Act: All components of this product appear on the Inventory of Chemical Substances published by the U.S. Environmental Protection Agency (EPA) under the authority of the Toxic Substances Control Act (TSCA).

Inventory Status: Components are TSCA Inventory listed.

Export Notification: Not known.

Other:

SECTION 16 - OTHER INFORMATION

Hazard Ratings	Health	Fire	Reactivity	Additional Information
Suggested NFPA Rating	1	1	0	Personal Protection - B
Suggested HMIS Rating				

Disclaimer:

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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