SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Heat Weld Rod
Chemical Name: Vinyl Seam Welding Rod
Product Use/Class: Seam heat welding of sheet vinyl flooring
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
Transport Emergency Contact:
Within the U.S. - CHEMTREC: (800) 424-9300
Outside the U.S. - CHEMTREC: +1-703-527-3887
Effective Date: June 30, 2011  Supercedes Date: January 2, 2009
Reason for Revision: Update

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>Weight %</th>
<th>Exposure Guidelines</th>
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<td>ACGIH - TLV</td>
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<td>TWA</td>
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<td>None</td>
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SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
Form: Solid, thin rod
Color: Varies
Odor: Slight

WARNING STATEMENTS
None

POTENTIAL HEALTH EFFECTS
Primary Routes of Exposure
Eye Contact: Released fumes during welding could become irritating if over-exposed.
Skin Contact: Ordinary measures of personal hygiene/cleanliness will minimize exposure.
Equipment will be hot during welding.
Inhalation: Fumes could be irritating when melting the weld rod. Local exhaust should be used to assure adequate ventilation.
Ingestion: N/A – seek medical attention if considerable amount is ingested.
Chronic: None
Other: None

Refer to Section 11 for toxicological information.

SECTION 4 - FIRST AID MEASURES

If in Eyes: Irrigate eyes with water if welding process fumes irritate eyes. Seek medical attention if irritation persists.
If on Skin: Use good personal hygiene. Wash hands/skin after use.
If Inhaled: Move to fresh air if dizziness or light-headedness occurs.
If Swallowed: Not expected to be an ingestion concern unless a considerable amount was consumed. Vomiting can be induced. (Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.)

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: Not available
Lower Explosive Limit (LEL) %: Not available
Upper Explosive Limit (UEL) %: Not available
Auto-Ignition Temperature: Not available
OSHA Flammability Classification: Not available
Hazardous Products of Combustion: None
Extinguishing Media: Considered non-flammable. Use media appropriate for surrounding fire. Firefighters and others who may be exposed to products of combustion should wear self-contained breathing apparatus and full protective clothing.
Unusual Fire and Explosion Hazards: None
Fire Fighting Equipment: See above
Miscellaneous Advice: Material is considered to be self-extinguishing.

Refer to Section 10 for additional information.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions: See above
Methods for Clean-up: Solid material; due to inert properties, waste pieces may be simply swept up and disposed of in an approved landfill in accordance with local, state and federal rules/regulations.

Refer to Section 13 for disposal information.
Refer to Sections 14 and 15 for reportable quantity information.
SECTION 7 - HANDLING AND STORAGE

Handling: Follow good industrial practices. Handle with care and avoid unnecessary personal contact. Wash thoroughly after handling and before eating, drinking and using tobacco products. Keep out of the reach of children and pets.

Storage: Store in a cool, dry location, away from children and pets.

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

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Perform work with product in well-ventilated areas only.
Respiratory Protection: None normally required, assuming adequate ventilation is provided. Use NIOSH approved organic vapor/mist respirator if irritation occurs.
Eye Protection: Not normally required. Use goggles if eye contact is probable.
Hand and Skin Protection: Not normally required. Use rubber, vinyl or other chemical-resistant gloves, if prolonged contact warrants use.
Other Protective Equipment: None

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: Thin rod
Water Solubility: Negligible
Physical State: Solid
Specific Gravity: 1.3 (Water = 1.0)
VOC: N/A – Negligible Contribution

SECTION 10 - STABILITY AND REACTIVITY

Conditions to Avoid: Not available
Materials to Avoid: Not available
Stability: Stable
Hazardous Reactions: Not available
Hazardous Polymerization: Will not occur
Hazardous Decomposition Products: Thermal decomposition in the presence of air may yield hydrogen chlorine gas, carbon dioxide and carbon monoxide.
SECTION 11 - TOXICOLOGICAL INFORMATION

Product LD50 (Oral): Not available
Product LD50 (Dermal): Not available
Product LC50: Not available
Immediate (Acute) Effects: None known
Delayed (Subchronic & Chronic) Effects: No information known.

SECTION 12 - ECOLOGICAL INFORMATION

No ecological impact study information known on this product.

SECTION 13 - DISPOSAL CONSIDERATIONS

US EPA RCRA Status: N.A.
Disposal Considerations: N.A.
Disposal Method: N.A.
Miscellaneous: Due to inert, solid characteristics, disposal of this material 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
DOT Hazard Class: Not regulated
DOT UN/NA Number: Not regulated
Packing Group: Not regulated
Product Emergency: (866) 359-5602
Transport Emergency Contact:
Within the U.S. - CHEMTREC: (800) 424-9300
Outside the U.S. - CHEMTREC: +1-703-527-3887

SECTION 15 - REGULATORY INFORMATION

U.S. Federal Regulations: Not available
SARA Section 313: Not available
Toxic Substances Control Act: Not available
Inventory Status: Not available
Export Notification: Not available
Other: None
SECTION 16 - OTHER INFORMATION

<table>
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<tr>
<th>Health</th>
<th>Fire</th>
<th>Reactivity</th>
<th>Additional Information</th>
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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
OEL - Occupational Exposure Limit
TSCA - Toxic Substances Control Act
TLV - Exposure limits developed by ACCIH
NFPA - National Fire Protection Association
NIOSH - National Institute for Occupational Safety
OSHA - Occupational Safety and Health Administration
ACGIH - American Conference of Government Industrial Hygienists
MSHA - Mine Safety and Health Adm
TWA - Time Weighted Average
CERCLA - Comprehensive Environmental Response, Comprehensive and Liability Act