

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: MLG 33 Low Gloss Seam Sealer
Chemical Name: Sealer and adhesive
Product Use/Class: Seam sealer, weld
Company Information: Mannington Mills, Inc.
 P.O. Box 30, Rte. 45
 75 Mannington Mills Road
 Salem, New Jersey 08079
 Phone: (856) 935-3000
Phone Numbers: **Product Emergency:** (866) 359-5602
Spill Response: (800) 424-9300
Effective Date: July 1, 2008 **Reason for Revision:** Updated MSDS Format
Supersedes Date: June 23, 2003

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS Number | Weight% | Exposure Guidelines | | | | Other |
|-------------------------|-------------|---------|---------------------|------|------------|------|-------|
| | | | ACGIH - TLV | | OSHA - PEL | | |
| | | | TWA | STEL | TWA | Ceil | |
| Part A | | | | | | | |
| Tetrahydrofuran | 109-99-9 | N.A. | 200 ppm | N.A. | N.A. | N.A. | |
| Ketone | Proprietary | N.A. | 25 ppm | N.A. | N.A. | N.A. | |
| Aliphatic Isocyanate | Proprietary | N.A. | 0.055 | N.A. | N.A. | N.A. | mg/m3 |
| Part B | | | | | | | |
| Tetrahydrofuran | 109-99-9 | N.A. | 200 ppm | N.A. | N.A. | N.A. | |
| Ketone | Proprietary | N.A. | 25 ppm | N.A. | N.A. | N.A. | |
| Urethane Bisoxazolidine | Proprietary | N.A. | N.E. | N.A. | N.A. | N.A. | |

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Form: Clear to hazy liquid
Color: Clear to hazy
Odor: Solvent odor

WARNING STATEMENTS

Flammable. Harmful if absorbed through skin.

POTENTIAL HEALTH EFFECTS

Primary Routes of Exposure

Eye contact: Causes eye irritation

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| Skin contact: | May be absorbed through skin and cause skin sensitization, irritation or dermatitis. |
| Inhalation: | Possible irritation of the respiratory system causing dizziness, headaches, throat dryness, or shortness of breath. Certain individuals with high sensitivity to isocyanate (Part A) could have an allergic condition resulting in an asthma like condition. |
| Ingestion: | Harmful if swallowed. Ingestion is not an expected route of entry. |
| Chronic: | Possible irritation of respiratory system causing dizziness, headache, throat dryness, or shortness of breath. Certain individuals with high sensitivity to isocyanates (Part A) could have an allergic condition resulting in asthma like conditions. Repeated skin contact may cause dermatitis. |
| Other: | None |

Refer to Section 11 for toxicological information.

SECTION 4 - FIRST AID MEASURES

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| If in Eyes: | attention. |
| If on Skin: | Wash affected area with soap and water. Remove contaminated clothing. Consult physician if irritation persists. |
| If Inhaled: | Move victim to fresh air. Restore breathing. If unconscious, seek medical attention. |
| If Swallowed: | Drink one or two glasses of water or milk to dilute. Do not induce vomiting. Seek medical attention or poison control center immediately. Test systematically. |

SECTION 5 - FIRE FIGHTING MEASURES

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| Flash Point: | 2 deg F |
| Lower Explosive Limit (LEL) %: | Tetrahydrofuran 2 Ketone 0.8 |
| Upper Explosive Limit (UEL) %: | Tetrahydrofuran 11.8 Ketone 6.2 |
| Auto-Ignition Temperature: | Not determined |
| OSHA Flammability Classification: | Not determined |
| Hazardous Products of Combustion: | Not determined |
| Extinguishing Media: | CO2, dry chemical foam, water fog |
| Unusual Fire and Explosion Hazards: | Not determined |
| Fire Fighting Equipment: | Not determined |
| Miscellaneous Advice: | Not determined |

See Section 10.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

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| Personal precautions: | Remove all possible sources of ignition. |
| Methods for clean-up: | Contain and remove with inert absorbent material and non-sparking tools. |

Refer to Section 13 for disposal information.

Refer to sections 14 & 15 for reportable quantity information.

SECTION 7 - HANDLING AND STORAGE

Handling:

Avoid skin and eye contact. Do not handle until all safety precautions have been read and understood. Use with adequate ventilation. Keep away from heat, sparks and flame.

Storage:

Do not store or use near heat, sparks or open flame. Store only in well ventilated areas.

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

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

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| Engineering Controls: | Full ventilation required. |
| Respiratory Protection: | Use NIOSH/MSHA approved air purifying respirator with combination dust/mist filter and organic vapor cartridge in absence of ventilation. |
| Eye Protection: | Safety glasses with side shields as minimum protection. |
| Hand and Skin Protection: | Use if skin contact is likely. Neoprene, nitrile, or rubber gloves are recommended. |
| Other Protective Equipment: | None. |
| Hygienic Practices: | 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: | Clear to hazy liquid | Water Solubility: | Negligible |
| Physical State: | Liquid | Vapor Pressure: | Tetrahydrofuran - 145 mm Hg/20 C Ketone - 3.4 mm Hg/20 deg C Aliphatic Isocyanate-.001 mm Hg/20 |
| Boiling Point: | 151-464 def F | Evaporation Rate: | Slower than ether |
| Vapor Density: | Heavier than air | VOC | Pt. A. - 807 g/L, Pt. B. - 789 g/L |
| Specific Gravity: | 0.95 (Water = 1.0) | | |

SECTION 10 - STABILITY AND REACTIVITY

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| Conditions to avoid: | High temperatures, sources of ignition. |
| Materials to avoid: | Avoid strong acids, bases, and strong oxidizers. |
| Stability: | Stable under normal storage conditions |
| Hazardous reactions: | N.A. |
| Hazardous Polymerization: | Will not occur under normal conditions |
| Hazardous Decomposition Products: | Will not occur under normal conditions |

SECTION 11 - TOXICOLOGICAL INFORMATION

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| Product LD50 (Oral): | Not known |
| Product LD50 (Dermal): | Not known |
| Product LC50: | Not known |
| Immediate (Acute) Effects: | No information known |
| Delayed (Subchronic & Chronic) Effects: | No information known |

SECTION 12 - ECOLOGICAL INFORMATION

No information known

SECTION 13 - DISPOSAL CONSIDERATIONS

| | |
|---------------------------------|------|
| US EPA RCRA Status: | N.A. |
| Disposal Considerations: | N.A. |
| Disposal Method: | N.A. |

Miscellaneous: Disposal should be done in accordance with all local, state and federal (40 CFR Part 261) regulations.

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.

As packaged in limited quantities for its intended use, this product is regulated under the U.S. DOT as a consumer commodity and is classified as Other Regulated Material: ORM-D.

DOT Proper Shipping Name: N.A.
DOT Hazard Class: ORM-D
DOT UN/NA Number: N.A.
Packing Group: N.A.
Emergency Response Guide Number: N.A.
Other: DOT Consumer Commodity

SECTION 15 - REGULATORY INFORMATION

U.S. Federal Regulations: OSHA - Hazardous
SARA Section 313: Contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR

Toxic Substances Control Act
Inventory Status: The chemical substances in this product are on the TSCA Section 8 Inventory
Export Notification: Contains the following substances subject to the reporting requirements of Section 313 of TSCA 12(b) if exported from the United States:
Chemical - Tetrahydrofuran, CAS 109-99-9

Canadian WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of 16 headings.
Other: None

SECTION 16 - OTHER INFORMATION

| | Health | Fire | Reactivity | Additional Information |
|-----------------------|--------|------|------------|------------------------|
| Hazard Rating: | 2 | 3 | 0 | |

Legend:

N.A. - Not Available
S - Skin
C - Ceiling (Exposure Levels)
PEL - Permissible Exposure Limits
MSHA - Mine Safety and Health Adm
TSCA - Toxic Substances Control Act
CIH - Certified Industrial Hygienist
NFPA - National Fire Protection Association
OEL - Occupational Exposure Limit
OSHA - Occupational Safety and Health Administration
CERCLA - Comprehensive Environmental Response, Comprehensive and Liability Act

ppm - parts per million
NIOSH - National Institute for Occupational Safety
ACGIH - American Conference of Government Industrial Hygienist
TLV - Exposure limits developed by ACCIH
TWA - Time Weighted Average
STEL - Short-Term Exposure Limit
HAZCOM - Hazard Communication Standard (29CFR1910.1200)

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

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End of MSDS