MT-800 Seam Sealer

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

Revision Date: 8/18/2015 Date of issue: 8/30/2012 Version: 1.0

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture

Product Name: MT-800 Seam Sealer

1.2. Intended Use of the Product

Use of the substance/mixture: Flammable Vinyl Seam Sealer

1.3. Name, Address, and Telephone of the Responsible Party

Company

Mannington Mills, Inc.
P.O. Box 30 - Route 45
75 Mannington Mills Road
Salem, New Jersey 08079
General Information: (856) 935-3000

1.4. Emergency Telephone Numbers

: **Product/Medical Emergency Phone Number (24 Hours): (866) 359-5602**

: **Transport Emergency:**

Within the U.S. - CHEMTREC: (800) 424-9300

Outside the U.S. – CHEMTREC: +1-703-527-3887

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Classification (GHS-US)

Flammable Liquid	Category 2
Acute Toxicity, inhalation	Category 4
Skin Irritation	Category 2
Eye Irritation	Category 2A
Reproductive toxicity	Category 2
Specific target organ toxicity – single exposure	Category 2
Aspiration hazard	Category 1
Acute aquatic toxicity	Category 2

Full text of H-phrases: see section 16

2.2. Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US) :

GHS02 GHS07 GHS05

Signal Word (GHS-US) : Danger

Hazard Statements (GHS-US) : H225 - Highly flammable liquid and vapor.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H336 - May cause drowsiness or dizziness.
H303 + H333 - May be fatal if swallowed or inhaled.
H332 - Harmful if inhaled

Precautionary Statements (GHS-US) : P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking.
P233 - Keep container tightly closed.
P240 - Ground/bond container and receiving equipment.
P241 - Use explosion-proof electrical, lighting, ventilating equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P261 - Avoid breathing vapors, spray, mist.
P264 - Wash hands, forearms and face thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear eye protection, face protection, protective gloves.

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 - Call a POISON CENTER, a doctor if you feel unwell.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P370+P378 - In case of fire: Use foam, extinguishing powder, carbon dioxide (CO_2) to extinguish.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P235 - Keep cool.
P405 - Store locked up.
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

2.3. Other Hazards

OSHA Hazards: Flammable liquids, Target Organs Effect, Irritant, Teratogen, Reproductive hazard.

Target Organs: Liver, Kidney, Brain, Bladder

2.4. Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture

Name	Product Identifier (CAS No)	%	Classification (GHS-US)
Methyl Ethyl Ketone	78-93-3	32-37	See Section 2.1
Cyclohexanone	108-94-1	4-9%	See Section 2.1
Tetrahydrofuran	109-99-9	27-32%	See Section 2.1

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 an unconscious person. If you feel unwell, seek medical advice and provide this safety data sheet to attending medical professional. If exposed or concerned: Get medical advice/attention.
First-aid Measures After Inhalation: Move to fresh air. If not breathing, provide rescue breaths and seek immediate medical attention. If breathing is difficult, provide oxygen and seek immediate medical attention.
First-aid Measures After Skin Contact: Wash with soap and water, consult a Physician.
First-aid Measures After Eye Contact: Flush with large quantities of water for at least 15 minutes or until irritation subsides. Contact a Physician.
First-aid Measures After Ingestion: Do not induce vomiting. If irritation or complications arise, contact a Physician or Regional Poison Control Center immediately.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/Injuries: Causes respiratory tract, eye, and skin irritation. Vapors may cause drowsiness or dizziness. May be harmful if swallowed.
Symptoms/Injuries After Inhalation: May be harmful if inhaled. Causes respiratory tract irritation. Vapors may cause drowsiness and dizziness.
Symptoms/Injuries After Skin Contact: May be harmful if absorbed through skin. Causes skin irritation.

Symptoms/Injuries After Eye Contact: Causes eye irritation.

Symptoms/Injuries After Ingestion: May be harmful if swallowed. Aspiration hazard if swallowed. It can enter lungs and cause damage.

Chronic Symptoms: None expected under normal conditions of use.

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

If you feel unwell, seek medical advice (show the label where possible).

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Dry chemical, Carbon dioxide(CO2), Water Spray, Alcohol-resistant foam.

Unsuitable Extinguishing Media: None

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Highly flammable liquid and vapor. Hazardous Combustion Products form under fire conditions, Carbon Oxides.

Explosion Hazard: May form flammable/explosive vapor-air mixture.

Reactivity: Reacts with Bases, Oxidizing agents, Reducing agents.

5.3. Advice for Firefighters

Precautionary Measures Fire: Material is volatile and readily gives off vapors which may travel along the ground or be moved by ventilation and ignited by pilot lights, flames, sparks, heaters, smoking, electric motors, static discharge or other ignition sources at locations near the material handling point.

Firefighting Instructions: Use water spray to cool unopened containers.

Protection During Firefighting: Wear full fire fighting turn-out gear (Full Bunder grar), and respiratory protection (SCBA).

Other Information: Refer to Section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid breathing (vapor, mist, spray). Avoid all contact with skin, eyes, or clothing.

6.1.1. For Non-emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Responders

Protective Equipment: Use personal protective equipment as prescribed in Section 8.2.

Emergency Procedures: Evacuate personnel to Safe Areas. Eliminate all ignition sources. Stop leak if safe to do so and ventilate area. Beware of vapors accumulating to form explosive concentrations. Vapors are 2.5X denser than air and can accumulate in low areas.

6.2. Environmental Precautions

Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Do not allow to enter drains or water courses. Contact competent authorities after a spill.

6.3. Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Absorb and/or contain spill with inert material. Do not take up in combustible material such as: saw dust or cellulosic material. Use only non-sparking tools. If vacuuming up use only electrically-protected vacuum. Use of wet-brushing technique is acceptable. Collect absorbed/spilled material and place into a sealed, labeled container for proper disposal according to local, state, and federal regulations.

6.4. Reference to Other Sections

For further information refer to section 13. See heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Handling Information: KEEP OUT OF THE REACH OF CHILDREN. Avoid skin and eye contact. Avoid breathing vapors. Use only in well ventilated areas. Keep containers tightly closed when not in use.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. After use of this material, always wash hands and other exposed areas with mild soap and water. Always wash hands before eating and drinking and when leaving work. Mildly contaminated work clothing must be removed and aired out and laundered prior to reuse. Significantly contaminated work clothing must be immediately removed and exposed personnel given appropriate first aid and medical attention. Dispose of significantly contaminated clothing along with cleaned up spill materials.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Vapors are denser than air 2.5:1 and will accumulate in low areas.

Storage Conditions: Store away from caustics and oxidizers. Keep away from heat, sparks, and flames. Keep containers tightly closed when not in use. Keep containers from excessive heat and freezing. Use and store containers in a well ventilated area.

Incompatible Products: Reacts with Bases, Oxidizing agents, Reducing agents.

Storage Temperature: Not established.

7.3. Specific End Use(s)

Solvent-based Seam Sealer for resilient flooring products.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), or OSHA (PEL).

Methyl ethyl ketone (78-93-3)		
USA ACGIH	ACGIH TWA (ppm)	200 ppm
USA ACGIH	ACGIH STEL (ppm)	300 ppm
USA NIOSH	NIOSH REL (TWA) (mg/m³)	590 mg/m³
USA NIOSH	NIOSH REL (TWA) (ppm)	200 ppm
USA NIOSH	NIOSH REL (STEL) (mg/m³)	885 mg/m³
USA NIOSH	NIOSH REL (STEL) (ppm)	300 ppm
USA IDLH	US IDLH (ppm)	3000 ppm
USA OSHA	OSHA PEL (TWA) (mg/m³)	590 mg/m³
USA OSHA	OSHA PEL (TWA) (ppm)	200 ppm
Cyclohexanone (108-94-1)		
USA ACGIH	ACGIH TLV (mg/m³)	50 mg/m³
USA ACGIH	ACGIH TLV (ppm)	20 ppm
USA NIOSH	NIOSH REL (TWA) (mg/m³) [SKIN]	100 mg/m³
USA NIOSH	NIOSH REL (TWA) (ppm) [SKIN]	25 ppm
USA IDLH	US IDLH (ppm)	700 ppm
USA OSHA	OSHA PEL (TWA) (mg/m³)	200 mg/m³
USA OSHA	OSHA PEL (TWA) (ppm)	50 ppm
Tetrahydrofuran (109-99-9)		
USA ACGIH	ACGIH STEL (ppm)	100 ppm
USA ACGIH	ACGIH TLV TWA (ppm)	50 ppm
USA NIOSH	NIOSH REL (TWA) (mg/m³) [SKIN]	100 mg/m³
USA NIOSH	NIOSH REL (TWA) (ppm) [SKIN]	25 ppm
USA IDLH	US IDLH (ppm)	2000 ppm
USA OSHA	OSHA PEL (TWA) (mg/m³)	590 mg/m³
USA OSHA	OSHA PEL (TWA) (ppm)	200 ppm
USA OSHA	OSHA PEL (STEL) (mg/m³)	735 mg/m³
USA OSHA	OSHA PEL (STEL) (ppm)	250 ppm

8.2. Exposure Controls

Appropriate Engineering Controls : Provide sufficient mechanical ventilation (local or general exhaust) to maintain exposures below PEL and TLV. Vapors are heavier than air and will collect in low areas. Check all low areas (basements, sumps, etc.) for vapors before entering.

Personal Protective Equipment :

Insufficient ventilation requires respiratory protection.

Protective goggles or Safety Glasses along with a Face Shield.

Chemical resistant gloves.

Protective clothing.

Materials for Protective Clothing : Impervious clothing, Flame retardant protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hand Protection : Use chemical resistant gloves when handling product. Check with glove supplier for appropriate chemical resistant materials. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands following use.

Eye Protection : Use ANSI (US) or EN 166 (EU) approved safety goggles or safety glasses plus face shield any time there is risk of eye/face exposure. Note that use of NIOSH-approved full face respirator provides adequate eye/face protection.

Skin and Body Protection : Impervious clothing, Flame retardant protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory Protection : When risk assessment shows air-purifying respirators are appropriate, use full-face respirator with multi-purpose combination cartridge NIOSH (US) or type AXBEK (EN 14387) respirator cartridges as backup to engineering controls. If the respirator is the sole meads of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Environmental Exposure Controls : Do not allow the product to be released into the environment.

Consumer Exposure Controls : Do not eat, drink or smoke during use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Amber to Clear
Odor	: No data available
Odor Threshold	: No data available
pH	: Not Applicable
Evaporation Rate	: 5.7 n-Butyl Acetate
Melting Point/Range Point	: -87 °C (-125 °F) Based on first boiling component (MEK)
Freezing Point	: Not Applicable
Boiling Point	: 80 °C (176 °F) Based on first boiling component (MEK)
Flash Point	: -3.0 Deg. C (27 F) Closed Cup Based on (MEK)
Ignition Temperature	: 516 °C (961 °F)Based on (MEK)
Decomposition Temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor Pressure	: 95 hPa (71 mmHg) at 20 °C (68.0 °F) (MEK)
Relative Vapor Density at 20 °C	: 2.49 (Air = 1.0)
Relative Density	: No data available
Specific Gravity	: 0.805 g/ml at 25 °C (77 °F) (MEK)

Specific gravity / density : 0.805 g/ml at 25 °C (77 °F) (MEK)

Solubility : Water: Miscible

Partition Coefficients : Log Pow: 0.29

Viscosity : No data available

Lower Flammable Limit : 1.8 %

Upper Flammable Limit : 10.1 %

9.2. Other Information

VOC content : 63 to 78 wt%

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity: Vapors may form explosive mixtures with air.

10.2. Chemical Stability: Stable under recommended storage conditions.

10.3. Possibility of Hazardous Reactions: Vapors may form explosive mixtures with air.

10.4. Conditions to Avoid: Heat, Flames and sparks, Extremes of temperature and direct sunlight.

10.5. Incompatible Materials: Bases, Oxidizing agents, Reducing agents.

10.6. Hazardous Decomposition Products: Hazardous Decomposition Products formed under fire conditions, - Carbon Oxides. Other decomposition products – no data available.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information On Toxicological Effects

Acute Toxicity:

Oral LD50:	
LD50 oral - rat	2,737 mg/kg
Remarks:	**Behavioral: Altered sleep time (including change in righting reflex)** **Behavioral: Tremor**
Inhalation LC50:	
LC50 Inhalation – mouse – 4 h	32,000 mg/m3
LC50 Inhalation – mammal – 4 h	38,000 mg/m3
Dermal LD50:	
LD50 Dermal – rabbit	6,480 mg/kg
Other information on Acute Toxicity:	
No data available	

Skin Corrosion/Irritation: Skin – rabbit – Skin irritation – 24 h.

Serious Eye Damage/Irritation: No data available.

Respiratory or Skin Sensitization: No data available.

Germ Cell Mutagenicity: No data available.

Carcinogenicity: No data available.

IARC: No component of this product, present at levels greater than or equal to 0.1%, is identified as a known or anticipated carcinogen by IARC.

ACGIH: No component of this product, present at levels greater than or equal to 0.1%, is identified as a known or anticipated carcinogen by ACGIH.

NTP: No component of this product, present at levels greater than or equal to 0.1%, is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product, present at levels greater than or equal to 0.1%, is identified as a known or anticipated carcinogen by OSHA.

Reproductive Toxicity: No data available.

Teratogenicity: This product is not reported to produce teratogenic effect in humans.

Specific Target Organ Toxicity - Single Exposure (GHS): May cause drowsiness or dizziness.

Specific Target Organ Toxicity - Repeated Exposure (GHS): No data available.

Aspiration Hazard: No data available.

Potential Health Effects:

Symptoms/Injuries After Inhalation: May be harmful if inhaled. Causes respiratory tract irritation. Vapors may cause drowsiness and dizziness.
Symptoms/Injuries After Skin Contact: May be harmful if absorbed through skin. Causes skin irritation.
Symptoms/Injuries After Eye Contact: Causes eye irritation.
Symptoms/Injuries After Ingestion: May be harmful if swallowed.
Signs and Symptoms of Exposure: Central nervous system depression. Gastrointestinal disturbance, narcosis.
Synergistic Effects: No data available.
Additional Information: RTECS: EL6475000

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Toxicity to fish:	
NOEC – Cypronodon variegates (Sheepshead minnow)	400 mg/l (96 h)
LC50 – Pimephales promelas (Flathead minnow)	3,100 to 3,200 mg/l (96 h)
LC50 – Daphnia magna (Water flea)	520 mg/l (48 h)
EC50 – Daphnia magna (Water flea)	7,060 mg/l (24 h)

12.2. Persistence and Degradability

No Data Available

12.3. Bioaccumulative Potential

No Data Available

12.4. Mobility in Soil

No Data Available

12.5. Other Adverse Effects

No Data Available

12.6. PBT and vPvB Assessment:

No Data Available

SECTION 13: DISPOSAL CONSIDERATIONS

Product:

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable.

WASTE MANAGEMENT/DISPOSAL: Dispose of according to Federal, State, and Local Standards. Discarded material should be incinerated at a permitted facility. Liquids cannot be disposed of in a landfill. Do not reuse empty containers. State and Local regulations/restrictions are compliex and may differ from Federal regulations. Responsibility of proper waste disposal is with the owner of the waste.

EPA WASTE CODE – If discarded (40 CFR 261): D001 – Ignitable.

SECTION 14: TRANSPORT INFORMATION

14.1. In Accordance with DOT

Proper Shipping Name : UN1133, Adhesive, containing a flammable liquid
Hazard Class : 3
Identification Number : UN1133
Label Codes : 3
Packing Group : II
ERG Number : 127

14.2. In Accordance with IMDG

Proper Shipping Name : Adhesive, containing a flammable liquid
Hazard Class : 3
Identification Number : UN1133
Packing Group : II
Label Codes : 3
EmS-No. (Fire) : F-E
EmS-No. (Spillage) : S-D
MFAG Number : 130

14.3. In Accordance with IATA

Proper Shipping Name : Adhesive, containing a flammable liquid
Packing Group : II
Identification Number : UN1133
Hazard Class : 3
Label Codes : 3
ERG Code (IATA) : 3L

DANGER: Highly Flammable Liquid and Vapor

SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations

SARA 302 Components:
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III Section 302.
SARA 313 Components:
SARA SECTION 313: The materials do not contain any chemical components with known CAS numbers that exceeds the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
SARA 311/312 Hazard: Fire hazard, Acute Health Hazard, Chronic Health Hazard.

15.2 US State Regulations

Massachusetts Right to Know Components:

	CAS #	Revision Date
Methyl Ethyl Ketone	78-93-3	8/30/2013
Tetrahydrofuran	109-99-9	
Cyclohexanone	108-94-1	

Pennsylvania Right to Know Components:

	CAS #	Revision Date
Methyl Ethyl Ketone	78-93-3	8/30/2013
Tetrahydrofuran	109-99-9	
Cyclohexanone	108-94-1	

New Jersey Right to Know Components:

	CAS #	Revision Date
Methyl Ethyl Ketone	78-93-3	8/30/2013
Tetrahydrofuran	109-99-9	
Cyclohexanone	108-94-1	

California Prop. 65 Components:

WARNING! This product does not contain any chemical known to the State of California to cause birth defects or other reproductive harm.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date : 08/18/2015

HMIS RATINGS – HEALTH: 2 FLAMMABILITY: 3 REACTIVITY: 0

Other Information : Reason for revision: To correct SDS Number/Change OSHA Hazcom information.

HAP less water, less exempt solvent: 292.75 gm/L and 2.45# Per Gal.

VOC less water, less exempt solvent: 681.10 gm/L and 5.70# Per Gal.

Product Shelf Life: 12 Months from the date of Mfg. in an unopened, sealed container.

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)