

**SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Product Name:** MSS 20 Standard Gloss Seam Sealer  
MCS 32 Commercial Seam Sealer  
MCS 42 Commercial Seam Sealer  
MCT-20 Seam Sealer Kit, 2 oz. Tube

**Chemical Name:** Vinyl Adhesive

**Product Use/Class:** Vinyl adhesive/seam sealer

**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:** January 2, 2009

**Supersedes Date:** June 20, 2003

**Reason for Revision:** Update

**SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	CAS Number	Weight %	Exposure Guidelines				Other
			ACGIH - TLV		OSHA - PEL		
			TWA	STEL	TWA	Ceiling	
Tetrahydrofuran	109-99-9	N/A	200 ppm	N/A	N/A	N/A	
Cyclohexanone	108-94-1	N/A	50 ppm	N/A	N/A	N/A	

**SECTION 3 - HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW**

**Form:** Clear, colorless liquid

**Color:** Clear

**Odor:** Solvent odor

**WARNING STATEMENTS**

This material is flammable. Avoid breathing vapor.

**POTENTIAL HEALTH EFFECTS****Primary Routes of Exposure**

**Eye Contact:** Vapors may irritate eyes and mucus membranes.

**Skin Contact:** Contact with skin may cause irritation, possible rash or reddening upon contact. May cause allergic reaction or skin desensitization.

**Inhalation:** Inhalation of high vapor concentrations may have results ranging from dizziness, headaches, shortness of breath, muscular weakness to unconsciousness.

**Ingestion:** May be toxic if ingested in large amounts. May cause throat irritation, gastrointestinal discomfort, and vomiting.

**Chronic:** N/A

**Other: Effects of Overexposure** - Inhalation of high vapor concentrations may have results ranging from dizziness and headaches to unconsciousness. Prolonged or repeated liquid contact with the skin will dry and de-fat skin, leading to dermatitis.

*Refer to Section 11 for toxicological information.*

## SECTION 4 - FIRST AID MEASURES

**If in Eyes:** Flush eyes with water for 15-20 minutes. Seek medical attention.

**If on Skin:** Wash skin thoroughly with soap and water.

**If Inhaled:** Move victim to fresh air. If unconscious, seek medical attention at once.

**If Swallowed:** Do not induce vomiting. Seek medical attention.

## SECTION 5 - FIRE FIGHTING MEASURES

**Flash Point:** 6 Deg F

**Lower Explosive Limit (LEL) %:** Tetrahydrofuran 2.0% Cyclohexanone 1.1%

**Upper Explosive Limit (UEL) %:** Tetrahydrofuran 11.8% Cyclohexanone 12.75%

**Auto-Ignition Temperature:** N.A.

**OSHA Flammability Classification:** N.A.

**Hazardous Products of Combustion:** See Section 10

**Extinguishing Media:** N.A.

**Unusual Fire and Explosion Hazards:** Flammable material

**Fire Fighting Equipment:** Use foam, carbon dioxide, or dry chemical fire fighting apparatus.

**Miscellaneous Advice:** Solvent vapors can travel to an ignition source and flash back. Vapors can form explosive mixtures with air. Containers may vent, rupture, or burst at temperatures of 130 Deg F or over. Water spray may be used to keep closed containers cool to prevent pressure build-up. Firefighters should wear self-contained breathing apparatus and use equipment to protect against venting or bursting of containers. Avoid breathing vapors.

*Refer to Section 10 for additional information.*

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Remove all possible sources of ignition.

**Methods for Clean-up:** Transfer to a suitable container using non-sparking tools.

*Refer to Section 13 for disposal information.*

*Refer to Sections 14 and 15 for reportable quantity information.*

## SECTION 7 - HANDLING AND STORAGE

**Handling:** Use only in a well ventilated area.

**Storage:** Close containers after use. Store in a dry environment away from any sources of ignition. Keep from prolonged freezing for optimum performance. Acceptable storage temperature range is 35-95 deg F.

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

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls:** Use adequate ventilation, local exhaust at point of use.

**Respiratory Protection:** Use NIOSH/MSHA approved air purifying respiration with combination dust/mist filter and organic vapor cartridge if ventilation is not present.

**Eye Protection:** Chemical safety glasses.

**Hand and Skin Protection:** Use gloves if in contact with skin.

**Other Protective Equipment:**

*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:** Clear, colorless liquid

**Physical State:** Liquid

**Melting Point:**

**Boiling Point:** 151 deg F

**Density:**

**Vapor Density:** Heavier than water

**Specific Gravity:** 0.92 (*Water = 1.0*)

**Water Solubility:** Essentially insoluble

**Volatiles (Wt. %):** 92%

**VOC (calculated):** Approx. 741 grams/liter

**Vapor Pressure:** Tetrahydrofuran 143 mm Hg  
Cyclohexanone 3.95 mm Hg

**Evaporation Rate:** Slower than ether

**pH:**

**Decomposition Temperature:**

## SECTION 10 - STABILITY AND REACTIVITY

**Conditions to Avoid:** Sources of ignition, high temperatures.

**Materials to Avoid:** Strong oxidizing agents and select amines.

**Stability:** Stable

**Hazardous Reactions:** N.A.

**Hazardous Polymerization:** Will not occur

**Hazardous Decomposition Products:** Thermal decomposition in the presence of air may yield carbon monoxide, carbon dioxide, and/or oxides of nitrogen.

## SECTION 11 - TOXICOLOGICAL INFORMATION

**Product LD50 (Oral):** N.A.

**Product LD50 (Dermal):** N.A.

**Product LC50:** N.A.

**Immediate (Acute) Effects:** N.A.

**Delayed (Subchronic & Chronic) Effects:** Overexposure may cause irritation to eyes, skin, throat, lungs, and nose.

## SECTION 12 - ECOLOGICAL INFORMATION

Product produces slight toxicity to aquatic life. Insufficient data exists to evaluate the effect on plants, birds, or land animals.

## SECTION 13 - DISPOSAL CONSIDERATIONS

**US EPA RCRA Status:** N.A.

**Disposal Considerations:** N.A.

**Disposal Method:** See below

**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:** 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:** N.A.

**SARA Section 313:** None

**Toxic Substances Control Act:** N.A.

**Inventory Status:** N.A.

**Export Notification:** N.A.

**Other:** California Proposition 65 - Tetrahydrofuran, CAS Number 109-99-9

## SECTION 16 - OTHER INFORMATION

Hazard Ratings	Health	Fire	Reactivity	Additional Information
Suggested NFPA Rating	2	3	0	
Suggested HMIS Rating				

### Disclaimer:

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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	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	