

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

**Product Name:** MSS 20 Standard Gloss Seam Sealer  
 MCS 32 Commercial Seam Sealer  
 Seam Sealer Do-It-Yourself  
 MCS 42 Commercial Seam Sealer  
  
**Chemical Name:** Vinyl adhesive  
  
**Product Use/Class:** Vinyl adhesive/seam sealer  
  
**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:** 20/June/2003 **Reason for Revision:** Updated MSDS Format  
**Supersedes Date:** Feb 2003

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

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

<b>Inhalation:</b>	Inhalation of high vapor concentrations may have results ranging from dizziness, headaches, shortness of breath, muscular weakness to unconsciousness.
<b>Ingestion:</b>	May be toxic if ingested in large amounts. May cause throat irritation, gastrointestinal discomfort, and vomiting.
<b>Chronic:</b>	N.A.
<b>Other:</b>	<b>Effects of Overexposure</b> - 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

<b>If in Eyes:</b>	Flush eyes with water for 15-20 minutes. Seek medical attention.
<b>If on Skin:</b>	Wash skin thoroughly with soap and water.
<b>If Inhaled:</b>	Move victim to fresh air. If unconscious, seek medical attention at once.
<b>If Swallowed:</b>	Do not induce vomiting. Seek medical attention.

## SECTION 5 - FIRE FIGHTING MEASURES

<b>Flash Point:</b>	6 deg F
<b>Lower Explosive Limit (LEL) %:</b>	Tetrahydrofuran 2.0% Cyclohexanone 1.1%
<b>Upper Explosive Limit (UEL) %:</b>	Tetrahydrofuran 11.8% Cyclohexanone 12.75%
<b>Auto-Ignition Temperature:</b>	Not available
<b>OSHA Flammability Classification:</b>	Not available
<b>Hazardous Products of Combustion:</b>	See Section 10.
<b>Extinguishing Media:</b>	Not available
<b>Unusual Fire and Explosion Hazards:</b>	Flammable material
<b>Fire Fighting Equipment:</b>	Use foam, carbon dioxide, or dry chemical fire fighting apparatus.
<b>Miscellaneous Advice:</b>	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.

See Section 10.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	Remove all possible sources of ignition.
<b>Methods for clean-up:</b>	Transfer to a suitable container using 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:

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 Guide for additional information on handling and storage.

## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Engineering Controls:</b>	Use adequate ventilation, local exhaust at point of use.
<b>Respiratory Protection:</b>	Use NIOSH/MSHA approved air purifying respiration with combination dust/mist filter and organic vapor cartridge if ventilation is not present.
<b>Eye Protection:</b>	Chemical safety glasses.
<b>Hand and Skin Protection:</b>	Use gloves if in contact with skin.
<b>Other Protective Equipment:</b>	
<b>Hygienic Practices:</b>	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

<b>Appearance:</b>	Clear, colorless liquid	<b>Water Solubility:</b>	Essentially insoluble
<b>Physical State:</b>	Liquid	<b>Volatiles (Wt %):</b>	92%
<b>Boiling Point:</b>	151 deg F	<b>Vapor Pressure:</b>	Tetrahydrofuran 143 mm Hg Cyclohexanone 3.95 mm Hg
<b>Vapor Density:</b>	Heavier than air	<b>Evaporation Rate:</b>	Slower than ether
<b>Specific Gravity:</b>	0.92 (Water = 1.0)		

## SECTION 10 - STABILITY AND REACTIVITY

<b>Conditions to avoid:</b>	Sources of ignition, high temperatures.
<b>Materials to avoid:</b>	Strong oxidizing agents and select amines.
<b>Stability:</b>	Stable
<b>Hazardous reactions:</b>	N.A.
<b>Hazardous Polymerization:</b>	Will not occur
<b>Hazardous Decomposition Products:</b>	Thermal decomposition in the presence of air may yield carbon monoxide, carbon dioxide, and/or oxides of nitrogen.

## SECTION 11 - TOXICOLOGICAL INFORMATION

<b>Product LD50 (Oral):</b>	Not available
<b>Product LD50 (Dermal):</b>	Not available
<b>Product LC50:</b>	Not available
<b>Immediate (Acute) Effects:</b>	None available
<b>Delayed (Subchronic &amp; Chronic) Effects</b>	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

## SECTION 13 - DISPOSAL CONSIDERATIONS

<b>US EPA RCRA Status:</b>	N.A.
<b>Disposal Considerations:</b>	N.A.
<b>Disposal Method:</b>	See below.

**Miscellaneous:** Disposal should be done in accordance with local, state, and federal (40 CFR part 261) regulations. Be aware that state and local requirements may differ widely depending on location and 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.

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:** Not available  
**SARA Section 313:** None  
**Toxic Substances Control Act:** Not available  
**Inventory Status:** Not available  
**Export Notification:** Not available  
**Other:** California Proposition 65 - Tetrahydrofuran, CAS Number 109-99-9

## SECTION 16 - OTHER INFORMATION

	Health	Fire	Reactivity	Additional Information
<b>Hazard Rating:</b>	2	3	0	

Keep out of reach of children.

### 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

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)

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