

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

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: Not available

OSHA Flammability Classification: Not available

Hazardous Products of Combustion: See Section 10.

Extinguishing Media: Not available

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.

See Section 10.

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 & 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

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

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):	Not available
Product LD50 (Dermal):	Not available
Product LC50:	Not available
Immediate (Acute) Effects:	None available
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

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 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
Hazard Rating:	2	3	0	

Keep out of reach of children.

Legend:

N.A. - Not Available ppm - parts per million
S - Skin NIOSH - National Institute for Occupational Safety
C - Ceiling (Exposure Levels) ACGIH - American Conference of Government Industrial Hygienists
PEL - Permissible Exposure Limits TLV - Exposure limits developed by ACCIH
MSHA - Mine Safety and Health Adm TWA - Time Weighted Average
TSCA - Toxic Substances Control Act STEL - Short-Term Exposure Limit
CIH - Certified Industrial Hygienist HAZCOM - Hazard Communication Standard (29CFR1910.1200)
NFPA - National Fire Protection Association
OEL - Occupational Exposure Limit
OSHA - Occupational Safety and Health Administration
CERCLA - Comprehensive Environmental Response, Comprehensive and Liability

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 the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will the company be responsible for damages of any nature whatsoever resulting from the use of or reliance upon Information. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.

End of MSDS