

MATERIAL SAFETY DATA SHEET

PREPARATION INFORMATION:

Flexi-Wall Systems
208 Carolina Dr., Liberty, SC 29657

DATE OF PREPARATION: 4-15-92

Prepared By: JLC

HMIS
Health 1
Flamability 0
Reactivity 0
TEL.: (803) 843-3104

SECTION I — PRODUCT IDENTIFICATION

PRODUCT CODE	97847-00	TRADE NAME	Flexi-Wall®	Water Based Adhesive #500	
PRODUCT CLASS	Ethylene-vinyl acetate copolymer				
C.A.S. NUMBER	Mixture	HMIS RATING	Health = 1	Fire = 0	Reactivity = 0

SECTION II — INGREDIENTS

INGREDIENTS	CAS #	WEIGHT MAX. %	EXPOSURE LIMITS
Vinyl Acetate Monomer	108-05-4	1.0	10.0 ppm
Ethylene-Vinyl Acetate Copolymer	24937-78-8	59.0	None assigned
Water	7732-18-5	45.0	None Assigned

SECTION III — PHYSICAL DATA

BOILING POINT:	> 212 Deg. F	Vapor Density:	Heavier than Air.
VOLATILE %	41.0-45.0 by Weight	Specific Grav:	1.09
EVAP. RATE:	Slower than n-Butyl Acetate.		
APPEARANCE:	White liquid with no pronounced odor.		

SECTION IV — FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASS: 3B Flash Point: > 212 Deg. F. LEL: N/A
—EXTINGUISHING MEDIA: Water, carbon dioxide, or dry chemical.
—SPECIAL FIREFIGHTING PROCEDURES:
Firefighters and others exposed to vapors or products of combustion should wear self-contained breathing apparatus.
—UNUSUAL FIRE & EXPLOSION HAZARDS: None Known.

SECTION V — HEALTH HAZARD DATA

PERMISSIBLE EXPOSURE LEVEL:
The ACGIH TLV and OSHA PEL for vinyl acetate are both set at 10 ppm for an 8-hour TWA and at 20 ppm for the STEL.
EFFECTS OF OVEREXPOSURE:
SKIN: This material may cause skin irritation or rash upon prolonged or repeated contact.
INHALATION: Excessive exposure to vapors or spray mists can cause irritation of eyes, nose and throat.
EYES: This material may be an eye irritant.
FIRST AID: SKIN: Wash with soap and water immediately.
EYES: Flush with large quantities of water for 15 minutes and seek medical attention.
INGESTION: If ingested call a physician at once.
PRIMARY ROUTE(S) OF ENTRY: Inhalation of vapors (especially if sprayed or heated).
CARCINOGENICITY:
An inhalation study using laboratory animals exposed to high concentrations of vinyl acetate for 6 hours per day, 5 days per week over a two-year period has resulted in the development of nasal tumors. Some of these tumors were shown to be carcinomas. However, at this time, there is not sufficient evidence to indicate that vinyl acetate may cause cancer in humans. There should be minimal risk when used with ventilation adequate to maintain atmospheric concentrations of vinyl acetate below the recommended exposure limit.

SECTION VI — REACTIVITY DATA

STABILITY: [] Unstable [x] Stable
HAZARDOUS POLYMERIZATION: [] May occur [x] Will not occur
—INCOMPATIBILITY: None known. —CONDITIONS TO AVOID: Keep from freezing.
—HAZARDOUS DECOMPOSITION PRODUCTS: Under severe thermal degradation—low-molecular-weight organic compounds will be formed.

SECTION VII — SPILL OR LEAK PROCEDURES

—STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Clean up with water before allowing to dry. Sodium chloride can be sprinkled on the spill, which may coagulate the latex and facilitate cleaning with water. Place coagulated waste in a closed container. Wear protective equipment during cleanup.
—WASTE DISPOSAL METHOD:
At this time, this material or its containers would not be considered hazardous wastes as defined under the federal RCRA regulations (40 CFR 261) if discarded. Care should be taken to ensure that the material or its containers are disposed of in an approved facility in accordance with current federal, state, and local regulations.
For Further information, contact your state or local solid waste agency or the United States Environmental Agency's RCRA hotline (800-424-9346 or 202-382-3000).

SECTION VIII — SPECIAL PROTECTION INFORMATION

—RESPIRATORY PROTECTION: Not generally required during normal use and handling.
The need for respiratory protection should be evaluated if this material is sprayed or heated in poorly ventilated areas.
—VENTILATION: General ventilation is recommended during normal use. Local ventilation may be required during certain operations to prevent inhalation of vapors.
—PROTECTIVE GLOVES: Chemical-resistant nitrile, neoprene or rubber gloves required.
—EYE PROTECTION: Wear face shield or chemical goggles.
—OTHER PROTECTIVE EQUIPMENT: Wear protective clothing to prevent skin contact. Eye wash station and safety shower should be available.

SECTION IX — SPECIAL PRECAUTIONS

—PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Avoid prolonged or repeated inhalation of heated vapors or spray mists.
Keep away from heat or open flame. Avoid prolonged or repeated skin contact.
—OTHER PRECAUTIONS: Consult product bulletin prior to using this material.

SECTION X — SUPPLEMENTAL INFORMATION

—REGULATORY INFORMATION: None.
—SARA HAZARD CLASSIFICATION: This material has been categorized as having the following hazard(s) as defined by SARA Title III regulations (40 CFR 370): acute, chronic.
—SARA SECTION 313 LISTED INGREDIENTS: The following ingredients in this material are subject to the reporting requirements of section 313 of SARA and 40 CFR 372 see Section II for percentage of ingredient(s): Vinyl acetate monomer (108-05-4)
—DOT PROPER SHIPPING NAME: Not regulated by DOT
—UN NUMBER: None —DOT HAZARD CLASS: None

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SEE REVERSE FOR MSDS FOR ANTI-GTM COATING



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MAY 02 1994

SECTION I — PRODUCT IDENTIFICATION

PRODUCT NAME Anti-G #400
PRODUCT CLASS Acrylic Copolymer Emulsion

SECTION II — HAZARDOUS INGREDIENTS

INGREDIENT	PERCENT WT.	OCCUPATIONAL EXPOSURE LIMITS		VAPOR PRESSURE mm Hg
		TLV	PEL	
Ammonia CAS No. 7664-41-7	0.7	25 ppm	50 ppm	Over 760 @ 20°C

SECTION III — PHYSICAL DATA

BOILING RANGE: 212°F, water VAPOR DENSITY: Lighter than air
EVAPORATION RATE: Slower than ether % VOLATILE WEIGHT: 60 WT/GAL: 8.9 lbs

SECTION IV — FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: OSHA Combustible Liquid Class III B
DOT Not Regulated
FLASH POINT: Over 200°F PMC LEL: None
EXTINGUISHING MEDIA: Foam, carbon dioxide, dry chemical, water fog
UNUSUAL FIRE AND EXPLOSION HAZARDS: The material will not support combustion unless the water has evaporated.
SPECIAL FIREFIGHTING PROCEDURES: Water may be used to cool closed containers, to prevent pressure build-up

SECTION V — HEALTH HAZARD DATA

The health effects of this product have not been tested. This product is not believed to be particularly hazardous based on its composition.
EFFECTS OF OVEREXPOSURE:

Eye Contact: May cause irritation.

Skin: May cause irritation.

Ingestion: May be harmful if swallowed.

Inhalation: May cause irritation of throat and lungs.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: None Known.

PRIMARY ROUTE(S) OF ENTRY: Dermal, eye contact.

EMERGENCY AND FIRST AID PROCEDURES: Splash (eyes): Flush immediately with copious quantities of running water for at least 15 minutes.

consult physician. Splash (skin): wash affected areas with water.

Ingestion: Consult physician.

Inhalation: Remove to fresh air.

TOXICITY: Ammonia: Toxic by ingestion. LD₅₀, Oral-rat: 350 mg/kg. LCLo, inhalation-rat: L 2000 ppm/4H.

Although the concentration in this product is low, the high vapor pressure of ammonia makes it possible to exceed the TLV or PEL in drum head space or other confined areas. The liberation of ammonia may be retarded because of chemical neutralization in the product. No constituents are listed as carcinogens by NTP, IRAC or OSHA.

SECTION VI — REACTIVITY DATA

STABILITY: Stable HAZARDOUS POLYMERIZATION: Will not occur

HAZARDOUS DECOMPOSITION PRODUCTS: Normal combustion products including carbon dioxide, carbon monoxide, oxides of nitrogen.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers. CONDITIONS TO AVOID: None known

SECTION VII — SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove with inert absorbent.

WASTE DISPOSAL: Dispose in accordance with local, state, and federal regulations. This product is not a hazardous waste under RCRA Regulations (40 CFR 261).

SECTION VIII — SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: If spray mists are generated, wear NIOSH approved particulate respirator.

VENTILATION: Normal good ventilation.

PROTECTIVE GLOVES: Waterproof gloves recommended for direct contact.

EYE PROTECTION: Safety goggles. OTHER PROTECTIVE EQUIPMENT: No special requirements.

HYGIENIC PRACTICES: Remove and wash contaminated clothing before re-use. Wash hands with soap and water.

SECTION IX — SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING: Avoid opening drums in unventilated areas to avoid concentrated ammonia vapors.

OTHER PRECAUTIONS: Do not take internally. do not get in eyes. Avoid prolonged or repeated contact with skin.

SECTION X — ADDITIONAL REGULATORY INFORMATION

TSCA: All components of this material are included on the Toxic Substances Control Act Inventory of Chemical Substances.

SARA SECTION 313: This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372:

CAS No.	Chemical Name	Percent by Weight
1314-13-2	Zinc Oxide	1.0

This information must be included in all MSDSs that are copied and distributed for this material.