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MATERIAL SAFETY DATA SHEET

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Supersedes All Previous Publications

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SECTION I PRODUCT INFORMATION

PRODUCT NAME AND SYNONYMS: PVC WATERBASE ADHESIVE-Horizontal Surfaces Only

SECTION II INFORMATION ON HAZARDOUS INGREDIENTS

CHEMICAL/COMMON NAME	CAS NUMBER	PERCENT
Toluene	108-88-3	5 to 15%
Methyl Alcohol	67-56-1	1 to 5%

	HMIS	NFPA
HEALTH:	1	N/A
FLAMMABILITY:	2	2
REACTIVITY:	0	0
PERSONAL PROTECTION:	B	N/A

SECTION III HAZARDS IDENTIFICATION

- EYES:** High vapor concentrations greater than approximately 1000 ppm are irritating to the eyes. Overexposure to Methanol containing products by ingestion, inhalation or skin contact may produce adverse effect on vision including blindness.
- SKIN:** Occasional skin contact will not result in significant irritation unless evaporation is impeded. Frequent or prolonged contact may irritate and cause dermatitis or aggravate an existing skin condition.
- INHALATION:** Concentrations greater than approximately 1000 ppm may cause headaches, dizziness, anesthesia, and may have other central nervous system effects.
- INGESTION:** May effect vision including blindness.
- SYMPTOMS:** Vapors may cause eye and respiratory inflammation. Liquid contact with eyes or skin may cause irritation.

SECTION IV FIRST AID MEASURES

- EYES:** Flush eyes gently with water for 15 minutes while holding eyelids. Get medical attention.
- SKIN:** Remove contaminated clothing and wash exposed skin with soap and plenty of water. If symptoms persist seek medical attention. Launder clothing before reuse.
- INHALATION:** Immediately move individuals away from exposure into fresh air. Seek medical attention. Trained personnel should only administer oxygen if breathing is difficult.
- INGESTION:** Do NOT induce vomiting. Prevent aspiration of liquid into lungs by keeping head below hips. If individual is drowsy or unconscious, place on left side with head down. Seek immediate medical attention. If possible, do not leave individual unattended.

SECTION V FIRE FIGHTING MEASURES

- FLASH POINT (F/C):** 104 F/40C
- LEL (volume %):** N/A
- UEL (volume %):** N/A
- Extinguishing Media:** Carbon dioxide, dry chemical, foam or water spray.
- Fire Fighting Procedures:** Wear a self-contained NIOSH approved breathing apparatus with a full face-piece operated in the positive pressure demand mode with appropriate turnout gear and chemical resistant personal protective equipment.
- Unusual Hazards:** Sealed containers may rupture with heat and pressure increase. Keep cool with water.
- Combustion Products:** Degradation in the presence of air may form carbon dioxide and carbon monoxide.

SECTION VI ACCIDENTAL RELEASE MEASURES

- Small Spill:** Recover as much as possible for reuse. Absorb liquid with Vermiculite, floor absorbent or other absorbent material. Place into sealed containers for disposal.
- Large Spill:** Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading by sand or absorbent dikes. If runoff occurs, notify authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for recovery.
- NOTE:** Spill area will be slippery.

SECTION VII HANDLING AND STORAGE

Containers of this material may be hazardous when emptied. Since emptied containers contain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. Containers of solvent containing products must be released and kept tightly closed when not in use. This will prevent solvent evaporation and skinning. Containers should be stored away from temperature extremes and direct sunlight. Store in a cool dry place with adequate ventilation. Bond and ground containers when transferring liquid.

=====SECTION VIII EXPOSURE CONTROLS/PERSONAL PROTECTION=====

Engineering Controls: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).  
 Personal Protective Equipment:

- EYES: Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type of safety glasses. Consult your safety representative.
- SKIN: To prevent repeated or prolonged skin contact wear impervious gloves, clothing, and boots. Consult your safety equipment supplier.
- RESPIRATORY: If workplace exposure limit(s) of product or any component is exceeded, a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) Under specified conditions (see your industrial hygienist). Engineering or administrative Controls should be implemented to reduce exposure.

Exposure Guidelines:

<u>CHEMICAL</u>	<u>OSHA</u>	<u>ACGIH TLV</u>
Toluene	PEL=100 ppm STEL=150 ppm	TWA=50 ppm (skin)
Methyl Alcohol	PEL=200 ppm STEL=250 ppm	TWA=200 ppm STEL =250 ppm
Vinyl Acetate Monomer	PEL=10 ppm STEL=20 ppm	TWA=10 ppm STEL =15 ppm

PEL=Permissible Exposure Limits  
 TLV=Threshold Limit Value  
 TWA= Time Weighted Average (8hr.)  
 STEL=Short Term Exposure Limit (15 min.)

=====SECTION IX PHYSICAL AND CHEMICAL PROPERTIES=====

- APPEARANCE: Off white emulsion
- ODOR: Slight Solvent Odor
- BOILING POINT (@760 mm Hg): 150-212 F (range)
- SPECIFIC GRAVITY (air=1): 1.08
- LIQUID DENSITY: 9.00 lbs./gal
- SOLUBILITY IN WATER: Soluble
- % VOLATILE VOLUME: 48%
- EVAPORATION RATE (N-Butyl Acetate=1): Faster than n-butyl (1>)
- VAPOR PRESSURE (MM Hg): N/A
- VAPOR DENSITY (air=1): N/A

=====SECTION X STABILITY AND REACTIVITY=====

CONDITIONS TO AVOID: Heating above flash point at 104F. Mixture with exposure to incompatible materials (see below).

INCOMPATABILITY WITH OTHER MATERIALS: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: May form carbon dioxide and carbon monoxide.

HAZARDOUS POLYMERIZATION: Will NOT undergo hazardous polymerization.

=====SECTION XI TOXICOLOGICAL INFORMATION=====

Ecological information is not available.

=====SECTION XII DISPOSAL CONSIDERATIONS=====

Dispose in accordance with applicable Federal, State, and Local regulations. Residues and spilled material are hazardous Waste due to flammability. Law generally requires incineration at an EPA-permitted hazardous waste management facility.

=====SECTION XIII TRANSPORTATION INFORMATION=====

D.O.T Proper Shipping Name: Combustible Liquid, n.o.s. D.O.T. Packing Group: III  
 D.O.T. Identification Number (UN/NA): NA 1993

=====SECTION XIV REGULATORY INFORMATION=====

U.S. Federal Regulations

SARA Title III, Section 302: This product is not regulated under SARA Title III, Section 302 Extremely Hazardous Substances (40 CFR Part 355).

SARA TITLE III, SECTION 311/312 Categories: This product contains the following chemicals subject to the reporting requirements or SARA Title III, Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372):

<u>CHEMICAL/COMMON NAME</u>	<u>CAS NUMBER</u>	<u>PERCENT</u>
Toluene	108-88-3	5 to 15%
Methyl Alcohol	67-56-1	1 to 5 %

=====SECTION XV PREPERATION INFORMATION=====

**DISCLAIMER:** The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.

Prepared By: 2001 Inc.