

MERLEX STUCCO, INC.  
2911 ORANGE-OLIVE RD.  
ORANGE, CA 92665  
714-637-1700  
714-637-4865 FAX

**MATERIAL SAFETY DATA SHEET**

This Material Safety Data Sheet (MSDS) meet the requirements of the Federal OSHA Hazard Communications Standard (29 CFR 1910.1200)

**SECTION 1. PRODUCT IDENTIFICATION**

MATERIAL NAME: MIGHTY BOND Plaster and Concrete Adhesive  
CHEMICAL FAMILY: Vinyl Acetate Homopolymer  
FORMULA: Not Applicable

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

<u>COMPONENT</u>	<u>CAS NUMBER</u>	<u>PERCENT</u>	<u>EXPOSURE LIMITS</u>	
Vinyl acetate	108-05-4	<0.5	10,000 ppm	(ACGIH TWA)
			15,000 ppm	(ACGIH STEL)
			10,000 ppm	(OSHA PEL)
			20,000 ppm	(OSHA STEL)

**SECTION 3. PHYSICAL DATA**

PURE MATERIAL OR MIXTURE: Mixture  
PHYSICAL FORM: Liquid  
APPEARANCE/PHYSICAL DESCRIPTION: Milk white aqueous emulsion, sweet odor.  
pH AS IS: 5.0  
BOILING POINT: 212 F  
MELTING/FREEZING POINT: 32 F  
SOLUBILITY IN WATER: Miscible  
SPECIFIC GRAVITY (WATER = 1) 1.100  
BULK DENSITY: 9.16 lbs/sal  
VOLATILES: 45% (water)  
EVAPORATION RATE: 1 (water)  
VAPOR PRESSURE: 17 at 20 C  
VAPOR DENSITY (AIR = 1) 0.62  
VISCOSITY: 2200 cps  
VOLATILE ORGANIC COMPOUNDS: <5 g/l

**SECTION 4. FIRE AND EXPLOSION DATA**

AUTOIGNITION: N/A  
FLASH POINT: >220 F  
UPPER EXPLOSIVE LIMIT (%): Not applicable  
LOWER EXPLOSIVE LIMIT (%): Not applicable  
EXTINGUISHING MEDIA: Water fog; Foam; Alcohol foam; CO2; Dry chemical  
SPECIAL FIREFIGHTING PROCEDURES: Fire fighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.  
FIRE & EXPLOSION HAZARDS: Dry polymer film will burn. Product contains low level of organic volatiles which may be emitted at elevated temperatures.  
NFPA FLAMMABILITY HAZARD CLASS: 0 = Insignificant

**SECTION 5. HEALTH EFFECTS DATA**

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SHORT TERM EFFECTS OF EXPOSURE

ROUTE OF ENTRY: Inhalation; Skin contact; Eye contact  
ACUTE EFFECTS – EYE: Slightly irritating but does not injure eye tissue.  
ACUTE EFFECTS – SKIN CONTACT: Frequent or prolonged contact may irritate the skin.  
ACUTE EFFECTS – INHALATION: Vapors may be irritating to respiratory system and nasal passages.  
ACUTE EFFECTS – INGESTION: No hazard in normal industrial use. Low order of toxicity.

FIRST AID PROCEDURES

EYE: Flush eyes with large amounts of water until irritation subsides. If irritation persists, get medical attention.  
SKIN CONTACT: Flush with large amounts of water; use soap if available.  
INHALATION: Remove to fresh air. Get to medical attention if irritation persists.  
INGESTION: If swallowed, induce vomiting only if victim is alert. Get prompt medical attention. DO NOT attempt to give anything by mouth to a drowsy or unconscious person.

LONG TERM EFFECTS OF EXPOSURE

EFFECTS OF CHRONIC EXPOSURE: None known.  
TARGET ORGANS: Not applicable.

SPECIAL HEALTH EFFECTS

CARCINOGEN (OSHA Guidelines): No

PRODUCT TOXICOLOGY

PRODUCT INFORMATION: Product may contain small amounts of residual vinyl acetate. Vinyl acetate vapors have been shown to cause tumors in the respiratory tract of laboratory animals exposed to 600 ppm over a lifetime; 200 ppm caused irritation; 50 ppm produced no observable effect. There is no evidence of adverse effects to humans exposed to levels at or below the ACGIH TLV. Although this product has not been tested for chronic effects it is judged as having a low order of toxicity based on component information.

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**SECTION 6. ECOLOGICAL INFORMATION**

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Not noted.

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**SECTION 7. RECOMMENDATIONS FOR PERSONAL PROTECTIVE EQUIPMENT**

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CONDITIONS UNDER WHICH PPE REQ'D: Normal working conditions.  
EYE PROTECTION REQUIREMENTS: Wear safety glasses with side shields.  
GLOVE REQUIREMENTS: The use of chemically resistant gloves is recommended.  
CLOTHING REQUIREMENTS: Rubber boots and apron if exposure is severe.  
CHANGE/REMOVAL OF CLOTHING: Soiled clothing should be laundered before re-use.  
WASH REQUIREMENTS: Soap and water.  
RESPIRATOR REQUIREMENTS: None required under normal handling conditions. Use NIOSH approved respirator if vapor or mist levels are irritating.  
VENTILATION REQUIREMENTS: Local.

**SECTION 8. REACTIVITY**

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STABILITY: Stable.  
INCOMPATIBILITIES: Substances which react with water.  
NFPA REACTIVITY HAZARD CLASS: 0 = Insignificant  
HAZARDOUS DECOMPOSITION PRODUCTS: Stable under normal temperature and pressure. Product contains low level of organic volatiles which may be emitted or released in application processes involving the use of heat. Vent all ovens and process vessels to the outside atmosphere.  
HAZARDOUS POLYMERIZATION: Will not occur.

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**SECTION 9. SPILL AND LEAK PROCEDURES**

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SPILL OR LEAK PROCEDURES: Spills should be taken up with suitable absorbent and placed in containers. Spill area can be washed with water; collect wash water for approved disposal. Do not flush to storm sewer or waterway.  
WASTE DISPOSAL METHODS: Waste disposal should be in accordance with existing federal, state and local environmental regulations.

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**SECTION 10. HANDLING AND STORAGE PRECAUTIONS**

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STORAGE TEMPERATURE: Not noted.  
HANDLING/STORAGE: Product contains low level of organic volatiles could accumulate in the unvented headspace of drums or bulk storage vessels. Open drums in well ventilated area. Avoid breathing vapors.  
OTHER PRECAUTIONS: Avoid extreme temperatures. Protect from freezing.

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**SECTION 11. SHIPPING INFORMATION**

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DOT SHIPPING NAME: Liquid synthetic plastics, NOI.  
DOT HAZARD CLASS: Not noted.  
DOT REPORTABLE QUANTITY: None.

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**SECTION 12. OTHER REGULATORY**

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TSCA: All components are on the TSCA inventory.  
FDA: 21 CFR176.170; 21CFR176.170 (B)-Subject to extraction requirements of regulation; 21CFR175.105.  
STATE LAWS: California Proposition 65 – This product contains Acetaldehyde CAS # 75-07-0, present at less than 0.1%.  
BARA/TITLE III: This product contains no substances at or above the reporting threshold under Section 313, based on data available.

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**SECTION 13. REGULATORY CONTACT**

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MSDS DATE: 03/01/94

**SECTION 14. ADDITIONAL INFORMATION**

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The information given and the recommendations made herein apply to our product(s) alone and not combined with other product(s). Such are based on our research and on data from other reliable sources and are believed to be accurate. No guarantee of accuracy is made. It is the purchaser's responsibility before using any product to verify this data under their own operating conditions and to determine whether the product is suitable for their purposes.