

MATERIAL SAFETY DATA SHEET

MSDS Name: **Multibond X-016**

MSDS Number: 627207

Revision Date: 20/11/00

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: TMultibond X-016

CAS Number: None

HMIS Hazard Rating: Health: 1 Fire: 1 Reactivity: 0

Product Class: POLYVINYL ACETATE EMULSION Product Use: ADHESIVE

Product Code: 2720

SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

Hazardous Ingredients:	CAS Number:	Percent:
GLYCOL ETHER 112-34-5	3.00	vinyl acetate 108-05-4

0.50 Product contains no hazardous ingredients or they are below reportable levels. OSHA PELs & ACGIH TLVs are listed in Section 8 where applicable.

SECTION 3 - HAZARD IDENTIFICATION

Emergency Overview: White coloured waterbased adhesive. Slippery in the wet state.

Routes of Entry:

Ingestion:	Yes	Inhalation:	Yes
Skin:	No	Eye:	Yes

INHALATION: Vapours and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract. No reported incidents of adverse health effects resulting from inhalation of vapours at room temperature.

INGESTION: No hazard expected in normal industrial use. Ingestion is not a likely route of exposure.

SKIN: Prolonged or repeated skin contact can cause irritation.

EYE: Substance may cause moderate eye irritation.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing skin disorders.

Carcinogenicity: IARC: Yes, 2B (vinyl acetate). See Section 2. **NTP:** No

The International Agency for Research on Cancer has determined vinyl acetate to be carcinogenic in experimental animals. Available epidemiologic studies do not confirm an increased risk of cancer in exposed humans.

REPRODUCTIVE TOXICITY: None anticipated based on product formula.

TARGET ORGANS: Eyes and skin.

SECTION 4 - FIRST AID MEASURES

INHALATION: Remove patient to fresh air, if discomfort persists seek medical attention.

INGESTION: Call poison control centre immediately. Follow their specific instructions. Do not induce vomiting.

SKIN: Wash with soap and water. Contact a physician if irritation develops or persists.

EYE: Hold eyelids apart and flush with plenty of water for at least 15 minutes. Seek medical attention.

SECTION 5 - FIRE-FIGHTING MEASURES

Flammability Class (OSHA): IIIB

Flash Point: >200 F Setflash

Explosive Range: Not Applicable

Extinguishing Media: Use alcohol foam, carbon dioxide, water spray, or ABC dry chemical when fighting fires involving this product.

HAZARDOUS COMBUSTION PRODUCTS: Various oxides of carbon, organic compounds, and water may be released during combustion.

FIRE FIGHTING PROCEDURES: Wear a NIOSH approved self-contained breathing apparatus.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

CONTAINMENT TECHNIQUES: Use inert absorbent to dike the spill. Keep away from drains.

CLEAN-UP: If possible pump liquid into an approved container or spread absorbent over spill and shovel product/absorbent mixture into an approved container. If product has dried scrape up and place in an approved container.

SECTION 7 - HANDLING AND STORAGE

HANDLING: Empty drums should be completely drained, properly bunged and promptly returned to a reconditioned, or properly disposed of. Use only in well ventilated area.

STORAGE: Keep from freezing. Store at temperatures between 50 F and 90 F.

PRECAUTIONARY STATEMENT: Keep out of the reach of children.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational Exposure Limits:	ACGIH TLV	ACGIH TLV-C	ACGIH STEL
	OSHA STEL	OSHA PEL	

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION(Continued)

GLYCOL ETHER: N/est N/est N/est N/est N/est vinyl acetate 10.00 PPM N/est 15.00 PPM N/est N/est

ENGINEERING CONTROLS: Use local exhaust as needed to maintain occupational exposure limits.

OTHER:Facilities storing or utilizing any chemical should be equipped with an eyewash facility and a safety shower.

RESPIRATORY PROTECTION: Where exposure limits may be exceeded select a NIOSH approved respirator with appropriate Protection Factor and cartridge for the specific contaminants. Follow requirements for respiratory protection in OSHA 1910.134.

EYE PROTECTION: Chemical splash goggles (ANSI Z87.1 or approved equivalent).

SKIN PROTECTION: Where skin contact can occur, wear impervious gloves.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid	Appearance/Color:	White
Odor:	Mild	Solubility (in water):	Dispersible in water
pH Value:	4.5	Boiling Range/Point:	210.øF
Evaporation Rate:	Slower than n-Butyl Acetate	% Volatile:	50.0%
Specific Gravity:	1.10		

SECTION 10 - STABILITY AND REACTIVITY

Stability: This product is stable

Hazardous Polymerization: Hazardous polymerization will not occur

CONDITIONS TO AVOID: None known.

INCOMPATIBILITY: Strong acids and bases.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon may be released during combustion.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute and chronic health effects are not expected as long as good industrial hygiene and safety precautions are followed.

SECTION 12 - ECOLOGICAL INFORMATION

This formulation has not been tested for environmental effects.

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Disposal of this product must comply with all applicable federal, state and local regulations.

CONTAINER DISPOSAL: Disposal of this container should comply with all applicable federal, state and local regulations.

SECTION 14 - TRANSPORT INFORMATION

UN Number:	None	UN Pack Group:	N/A
UN Class:	Nonhazardous	ICAO/IATA Class:	NON HAZARDOUS (*SEE NOTE)
IMDG Class:	Nonhazardous	Shipping Name:	Nonhazardous

Packaging may not be approved for shipping by air. Please contact Franklin International for further information.

SECTION 15 - REGULATORY INFORMATION

SARA TITLE III 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: Chemical Name CAS Number Percent

GLYCOL ETHER 112-34-5 3.00 vinyl acetate 108-05-4 0.50

TSCA (Toxic Substances Control Act Inventory):

All components of this product are listed on the TSCA inventory except as exempted.

SECTION 16 - OTHER INFORMATION

DISCLAIMER: While the information and recommendations set forth herein are believed to be accurate as of the data hereof, Franklin International makes no warranty, express or implied, with respects thereto and disclaim all liability from reliance thereon.

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