

Franklin International  
MATERIAL SAFETY DATA SHEET

MSDS Name: Titebond II Extend  
MSDS Number: 4136  
Revision Date: 6/14/04

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Titebond II Extend  
CAS Number: none  
HMIS Hazard Rating: Health: 1 Fire: 1 Reactivity: 0

Company Identification: Franklin International  
2020 Bruck Street  
Columbus OH 43207

Contact: Franklin Technical Services  
Telephone/Fax: (800) 877-4583 (614) 445-1493  
Emergency Phone (24 Hour): Franklin Security  
(614) 445-1300  
Chemtrec (24 Hour): (800) 424-9300  
Chemtrec International: (703) 527-3887

Product Class: CROSSLINK POLYVINYL ACETATE  
Product Use: wood glue  
Product Code: 4295

Division: Construction Adhesives & Sealants

SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS Number	Percent
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:

Cream colored water-based adhesive. Slippery in the wet state.

ROUTES OF ENTRY:

Ingestion: Yes  
Inhalation: Yes  
Skin: Yes  
Eye: Yes

INHALATION:

Vapors and/or aerosols which may be formed at elevated temperature may be irritating to eyes and respiratory tract.

No reported incidents of adverse health affects resulting from

inhalation of vapors 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:**

None identified.

**CARCINOGENICITY:**

IARC: No

NTP: No

OSHA: No

**REPRODUCTIVE TOXICITY:**

This product has not been evaluated for reproductive toxicity.

**SECTION 4 - FIRST AID MEASURES**

**INHALATION:**

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

**INGESTION:**

Call poison control center 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) III B

Flash Point: Not Applicable

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:**

Oxides of carbon.

**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 reconditioner, 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

#### 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:	cream
Odor:	Mild
Solubility (in water):	Dispersible in water
pH Value:	3.
Boiling Range/Point:	210.0F
Evaporation Rate:	Slower than n-Butyl Acetate
% Volatile:	51.0%
Specific Gravity:	1.11
VOC:	4.0 g/l

## SECTION 10 - STABILITY AND REACTIVITY

Stability: This product is stable

Hazardous Polymerization: Hazardous polymerization will not occur

### CONDITIONS TO AVOID:

None.

### 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	Nonhaz
ICAO/IATA Class	Nonhazardous
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

### TSCA (Toxic Substances Control Act Inventory):

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

### PENNSYLVANIA:

Special hazardous components required to be listed at .01% or more: formaldehyde; formaldehyde; 50-00-0

Non-hazardous components required to be listed at 3% or more:

polyvinyl acetate emulsion 113408-93-8; polyvinyl alcohol 25213-24-5

NEW JERSEY:

polyvinyl acetate emulsion 113408-93-8; water 7732-18-5; aluminum chloride 7784-13-6; polyvinyl alcohol 25213-24-5; n-methylolacrylamide 924-42-5

## 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 respect thereto and disclaims all liability from reliance thereon.