

# Franklin International

## MATERIAL SAFETY DATA SHEET

MSDS Name: TITEBOND ORIGINAL WOOD GLUE  
MSDS Number: 5065  
Version Number: 01  
MSDS Date: 010396  
Page Number: 1

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### SECTION I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: TITEBOND ORIGINAL WOOD GLUE  
CAS Number: None  
Hazard Rating: Health: 1 Fire: 0 Reactivity: 0  
Company Identification: Franklin International, Inc.  
2020 Bruck Street  
Columbus OH 43207  
Contact: Franklin Technical Service  
Telephone/Fax: (800) 877-4583 (614) 445-1493  
Emergency Phone (24 Hour): Franklin Security  
(614) 445-1300  
Chemtrec (24 Hour): (800) 424-9300  
Product Class: Polyvinyl Acetate Emulsion  
Product Code: 2213  
Division: Construction Adhesives & Sealants

### SECTION II - COMPOSITION, INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS Number	%
VINYL ACETATE	108-05-4	0.05

OSHA PELs & ACGIH TLVs are listed in Section VIII where applicable.  
All components of this product are listed on the TSCA inventory except  
as exempted.

### SECTION III - HAZARD IDENTIFICATION

#### NOTE:

This product contains residual vinyl acetate monomer at levels below  
OSHA reportable concentrations. The data in Section II is provided  
for informational purposes only.

#### EMERGENCY OVERVIEW:

Yellow colored liquid. Non-flammable. Slippery in the wet state.

#### ROUTES OF ENTRY:

INHALATION: Yes  
INGESTION: No  
SKIN: No  
EYE: Yes

#### INHALATION:

May cause headaches and dizziness.  
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 effects resulting from  
inhalation of vapors at room temperature.

#### INGESTION:

No hazard expected in normal industrial use. Do not eat, drink or  
smoke around chemicals. Follow good hygiene practices.

#### SKIN:

Prolonged or repeated skin contact can cause irritation.  
Allergic reactions have not been reported for this formulation.  
Will not be absorbed through skin.

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EYE:  
Substance may cause moderate eye irritation.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:  
None identified.

### CARCINOGENICITY:

IARC: Yes, 2B (vinyl acetate). See Section II.

NTP: No

OSHA: No

The International Agency for Research on Cancer has determined vinyl acetate to be carcinogenic in experimental animals at a relatively high dose, by route(s) of administration, at site(s), of histologic type(s), or by mechanism(s) that are not considered relevant to worker exposure. Available epidemiologic studies do not confirm an increased risk of cancer in exposed humans. Available evidence suggests that the agent is not likely to cause cancer in humans except under uncommon or unlikely routes or levels of exposure. See Section II for vinyl acetate content.

REPRODUCTIVE TOXICITY:  
None anticipated based on product formula.

TARGET ORGANS:  
None identified based on product formula.

## SECTION IV - FIRST AID MEASURES

INHALATION:  
Remove patient to fresh air.

INGESTION:  
Call poison control center immediately. Follow their specific instructions. Do not induce vomiting. Aspiration into lungs may cause chemical pneumonitis.

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 V - FIRE-FIGHTING MEASURES

Flammability Class (OSHA)	IIIB
Flash Range:	> 200 F Setaflash
Explosive Range:	Not applicable

EXTINGUISHING MEDIA:  
Water if product has dried.

HAZARDOUS COMBUSTION PRODUCTS:  
Oxides of carbon and monomer may be released during combustion.

FIRE FIGHTING PROCEDURES:  
Can burn in a fire, releasing toxic vapors.  
Wear a NIOSH/MSHA approved self-contained breathing apparatus.

## SECTION VI - ACCIDENTAL RELEASE MEASURES

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### CONTAINMENT TECHNIQUES:

Use suitable absorbent to dike the spill.

### CLEAN-UP:

If possible pump liquid into an approved container or spread absorbent over spill and shovel (use non-sparking equipment) product/absorbent mixture into an approved container. If product has dried, scrape up and place in an approved container.

### EMERGENCY MEASURES:

None required.

## SECTION VII - HANDLING & STORAGE

### HANDLING:

Wash thoroughly after handling.  
Open container in well ventilated area.  
Empty drums should be completely drained, properly bunged and promptly returned to a reconditioner, or properly disposed of.  
Wash hands before eating.  
Remove contaminated clothing and wash before reuse.  
Use only in well ventilated area.  
Follow all MSDS/label precautions even after container is emptied.  
Containers may retain product residues and vapors.  
Avoid prolonged or repeated contact with the skin.  
Avoid breathing vapors from heated material.

### STORAGE:

Keep from freezing.  
Keep away from food and drinking water.  
Store at temperatures between 50 F and 90 F.

### PRECAUTIONARY STATEMENT:

Keep out of the reach of children.

## SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits

	ACGIH TLV	ACGIH TLV-C	ACGIH STEL	OSHA STEL	OSHA PEL
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.  
Maintain standard plant ventilation.

### OTHER:

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

### RESPIRATORY PROTECTION:

Where exposure limits are exceeded select a NIOSH/MSHA approved respirator with appropriate Protection Factor and cartridge for the specific contaminants. Follow requirements for respiratory protection in OSHA 1910.134.

### EYE PROTECTION:

Wear splashproof safety eye protection if splashing or misting of product may occur.

### SKIN PROTECTION:

Where repeated or prolonged contact can occur, wear impervious gloves.

## SECTION IX - PHYSICAL & CHEMICAL PROPERTIES

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Form: Liquid  
Appearance/Color: Yellow  
Odor: Mild  
Solubility (in water): Dispersible in water  
pH Value: 4.8  
Boiling Range: 210.°F  
Evaporation Rate: Slower than n-Butyl Acetate  
% Volatile 54.1%  
Specific Gravity: 1.09643  
VOC (California Rule 1168) 10.7 g/l

### SECTION X - STABILITY & 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 and monomer may be released during combustion.

### SECTION XI - TOXICOLOGICAL INFORMATION

Acute - This product has not been tested for acute toxicity. Based on toxicity information for the components, this product should be considered an irritant to skin, eyes and the respiratory tract. Based on information for the components, this formulation is not considered highly toxic by ingestion. There is no information on this formulation pertaining to sensitization in susceptible individuals.

Chronic Toxicity - This formulation has not been tested for long term chronic toxicity. Vinyl acetate, present at trace levels (.05%), has been shown to cause tumors in experimental animals. Two year animal studies (inhalation) at 50, 200, 600 ppm of vinyl acetate monomer have shown that some animals in the 600 ppm group developed tumors. There is no evidence of human carcinogenicity. Acute and chronic health effects are not expected as long as good industrial hygiene and safety precautions are followed.

### SECTION XII - ECOLOGICAL INFORMATION

This formulation has not been tested for environmental effects.

### SECTION XIII - 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 XIV - TRANSPORT INFORMATION

UN Number NOI  
UN Pack Group N/A  
UN Class N/A

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ICAO/IATA Class Nonhazardous (\* See note)  
IMDG Class Nonhazardous  
Shipping Name  
Shipping Name Not applicable BOXES ADHESIVES NOI

\* Packaging is not approved for shipping by air. Please contact Franklin International for further information.

## SECTION XV - 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:

CAS Number	Chemical Name
108-05-4	VINYL ACETATE

%  
0.05

PENNSYLVANIA:  
Non-hazardous components required to be listed at 3% or more:  
polyvinyl acetate emulsion 9003-20-7; polyvinyl alcohol 25213-24-5

NEW JERSEY:  
polyvinyl acetate emulsion 9003-20-7; water 7732-18-5; polyvinyl alcohol 25213-24-5; petroleum hydrocarbon 64741-89-5; trade secret 80100233-5015p

## SECTION XVI - OTHER INFORMATION

### REVISION SUMMARY:

MSDS revised to follow 16 section format.

### 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.