

# Franklin International

## MATERIAL SAFETY DATA SHEET

MSDS Name: Titebond Solvent Free Subfloor Adhesive  
 MSDS Number: 4122  
 Revision Date: 11/4/04

### SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Titebond Solvent Free Subfloor Adhesive  
 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: Solvent Free adhesive  
 Product Use: adhesive  
 Product Code: 3635

Division: Construction Adhesives & Sealants

### SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS Number	Percent
ethylene glycol	107-21-1	1.28

OSHA PELs & ACGIH TLVs are listed in Section 8 where applicable.

### SECTION 3 - HAZARD IDENTIFICATION

#### EMERGENCY OVERVIEW:

CAUTION: IRRITANT. Contains ethylene glycol. Off-white colored mastic with mild odor. Slippery in the wet state.

#### ROUTES OF ENTRY:

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

#### INHALATION:

High vapor concentrations are irritating to the nose, throat and lungs and can cause systemic effects.

#### INGESTION:

Ingestion is not a probable route of exposure. Harmful if swallowed. May cause nausea, vomiting and gastric irritation.

#### 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: No

NTP: No

OSHA: No

## REPRODUCTIVE TOXICITY:

None anticipated based on product formula. Ethylene glycol may cause birth defects based on tests with laboratory animals.

## TARGET ORGANS:

Eyes and skin.

## SECTION 4 - FIRST AID MEASURES

## INHALATION:

Remove to fresh air. If difficulty persists, seek medical attention.

## INGESTION:

Call poison control center immediately. Follow their specific instructions.

## 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) IIIIB

Flash Point: > 200.øF

Setaflash

Explosive Range: Not applicable

## EXTINGUISHING MEDIA:

Use alcohol foam, carbon dioxide, dry chemical, or ABC dry chemical when fighting fires involving this product.

## HAZARDOUS COMBUSTION PRODUCTS:

Carbon monoxide and carbon dioxide may be released during combustion.

## FIRE FIGHTING PROCEDURES:

Wear a NIOSH approved self contained breathing apparatus. Wear appropriate personal protective equipment.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

## CONTAINMENT TECHNIQUES:

Use suitable absorbent to contain the spill.

## CLEAN-UP:

If possible, scrape mastic 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.

## EMERGENCY MEASURES:

Isolate hazard area. Keep unnecessary and unprotected personnel from entering area. Wear all appropriate personal protection equipment (PPE) (see Section 8).

## SECTION 7 - HANDLING AND STORAGE

## HANDLING:

Wash thoroughly after handling.

Do not get material in eyes.  
Use only in well ventilated area.

## STORAGE:

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
ethylene glycol	100.00 mg/M3	100.00 mg/M3	N/est	N/est	N/est

## ENGINEERING CONTROLS:

Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

## OTHER:

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

## RESPIRATORY PROTECTION:

Respiratory protection is not expected to be necessary under normal use. Follow requirements for respiratory protection in OSHA 1910.134.

## EYE PROTECTION:

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

## SKIN PROTECTION:

Where repeated or prolonged contact can occur, wear chemical resistant gloves.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Form:	Mastic
Appearance/Color:	Off-white
Odor:	Mild
Solubility (in water):	Miscible
pH Value:	6.5 - 8.5 0.
Boiling Range/Point:	212.0°F
Evaporation Rate:	Slower than n-Butyl Acetate
% Volatile:	31.37%
Specific Gravity:	1.22
VOC:	27.0 g/l

## SECTION 10 - STABILITY AND REACTIVITY

Stability:	This product is stable
Hazardous Polymerization:	Hazardous polymerization will not occur

## INCOMPATIBILITY:

Strong oxidizing agents, acids and bases.

## HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon monoxide and/or carbon dioxide.

## SECTION 11 - TOXICOLOGICAL INFORMATION

Adverse health effects are not expected from normal use of this product. The following is toxological information for individual components.

Ethylene glycol can irritate the eyes and skin. Prolonged overexposure via inhalation can cause pulmonary edema plus liver and kidney damage. The central nervous system may be affected exhibiting dizziness,

weakness, nausea and headache. Brain damage has resulted in humans from swallowing lethal or near lethal amounts of ethylene glycol. Ethylene glycol causes birth defects in experimental animals. Tests for carcinogenicity in experimental animals are negative.

#### 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

##### 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
ethylene glycol	107-21-1	1.28

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

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

##### PENNSYLVANIA:

Hazardous components required to be listed at 1% or more:

ethylene glycol; 1,2-ethanediol; 107-21-1

glycerin; 1,2,3-propanetriol; 56-81-5

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

vinyl acetate emulsion 113408-93-8, dipropylene glycol dibenzoate 27138-31-4, nepheline syenite 37244-96-5, kaolinite; clay 1332-58-7

##### NEW JERSEY:

glycerine 56-81-5; nepheline syenite 37244-96-5; clay 1332-58-7, polyvinyl acetate emulsion 113408-93-8, dipropylene glycol dibenzoate 27138-31-4

#### 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.