

Franklin International

MATERIAL SAFETY DATA SHEET

MSDS Name: Titebond 230 Acrylic Wood Flooring Adhesive

MSDS Number: 3916

Revision Date: 6/30/04

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Titebond 230 Acrylic Wood Flooring 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/polymer emulsion

Product Use: wood flooring adhesive

Product Code: 3639

Division: Flooring

SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS Number	Percent
xylene	1330-20-7	1.26

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

SECTION 3 - HAZARD IDENTIFICATION**EMERGENCY OVERVIEW:**

CAUTION: IRRITANT. Contains emulsified xylene. Vapors may cause dizziness, headache, or nausea. Do not swallow. Do not allow eye contact or prolonged skin contact. Cream colored adhesive. Slippery in the wet state.

ROUTES OF ENTRY:

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

INHALATION:

May cause headaches and dizziness.

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.

SKIN:

Prolonged or repeated skin contact can cause irritation.

EYE:

Substance may cause moderate eye irritation.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Preexisting skin and respiratory conditions.

CARCINOGENICITY:

IARC: No

NTP: No

OSHA: No

REPRODUCTIVE TOXICITY:

Xylene has been shown to cause birth defects in laboratory animals.

TARGET ORGANS:

Prolonged or repeated overexposure may cause eye, skin, respiratory system, central nervous system, liver, and kidney damage.

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. 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.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:

Oxides of carbon 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 inert absorbent to dike the spill. Keep away from drains.

CLEAN-UP:

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:

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.

STORAGE:

Keep from freezing.

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
xylylene	100.00 PPM	N/est	150.00 PPM	N/est	100.00 PPM

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:

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: Medium viscosity mastic
Appearance/Color: Cream
Odor: Mild
Solubility (in water): Miscible
pH Value: 8.0 to 9.0
Boiling Range/Point: 212.øF
Evaporation Rate: Slower than n-Butyl Acetate

% Volatile: 20.35%
Specific Gravity: 1.31
VOC: 40.6 g/l

SECTION 10 - STABILITY AND REACTIVITY

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

INCOMPATIBILITY:

Strong acids and strong bases

HAZARDOUS DECOMPOSITION PRODUCTS:

Not applicable

SECTION 11 - TOXICOLOGICAL INFORMATION

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

Expsoure may cause eye and skin irritation. Prolonged skin exposure may cause burning, drying and cracking of the skin. Inhalation of vapor or mist at levels exceeding permissible exposure standards can cause irritation of the respiratory tract, including nose and throat irritation. Prolonged inhalation exposure to high levels can cause central nervous system depression resulting in dizziness, drowsiness, weakness, nausea, headache and unconsciousness. Ingestion can cause gastrointestinal irritation including vomiting and diarrhea. Vomiting can cause aspiration into the lungs, causing pneumonitis.

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
xylene	1330-20-7	1.26

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:

crystalline silica 14808-60-7

xylene 1330-20-7

Nonhazardous components required to be listed at 3% or more:

chlorinated alpha-olefin 68920-02-6, vinyl acrylic copolymer 25035-82-9, styrene acrylic copolymer 25987-66-0, rosin ester (mixture), water 7732-18-5

NEW JERSEY:

crystalline silica 14808-60-7, vinyl acrylic copolymer 25035-82-9, styrene acrylic copolymer 25987-66-0, rosin ester (mixture), water 7732-18-5

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.