** MATERIAL SAFETY DATA SHEET **

FRANKLIN INTERNATIONAL 2020 BRUCK STREET COLUMBUS, OH 43207

Information Phone # : (800)-347-4583

Latest Revision Date...10/15/92

TITEBOND WOOD GLUE (2213)

Print Date.....12/21/92

EMERGENCY PHONE NUMBER: 1-614-445-1441

PRODUCT NAME..... TITEBOND WOOD GLUE

CHEMICAL FAMILY..... Polyvinyi alcohol ester blend with poly-

vinyl acetate.

SALES CODE(S)...... 5061, 5062, 5063, 5064, 5065, 5066, 5067

DIVISION..... Construction Adhesives & Sealants

SECTION 2 HAZARDOUS INGREDIENTS

CHEMICAL HAME(S)

CAS NUMBER & WT OSHA TWA OSHA Ceiling OSHA STEL ACGIH TLV ACGIH STEL SEC.313

VINYL ACETATE

108-05-4 0.4 10 ppm NA 20 ppm 10 ppm 20 ppm Yes

SECTION 3 PHYSICAL DATA (TYPICAL)

VAPOR DENSITY (Air = 1)...........<1

SOLUBILITY IN WATER..... Miscible

SPECIFIC GRAVITY (HOH = 1)..... 1.09 PERCENT VOLATILE (Wt.%)..... 54

EVAPORATION RATE (HOH = 1)..... 1

APPEARANCE..... Light yellow opaque liquid.

ODOR..... Faint characteristic odor.

SECTION 4 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Test Method)..... >200°F (Setaflash)

FLAMMABILITY LIMITS..... NA

EXTINGUISING MEDIA..... Water for dried adhesive

SPECIAL FIRE FIGHTING PROCEDURES Wear NIOSH/MSHA approved self contained

breathing apparatus (schedule 13)

UNUSUAL FIRE & EXPLOSION HAZARDS None

SECTION 5 HEALTH HAZARD DATA

ROUTES OF ENTRY..... INGESTION: No

INHALATION: Yes

SKIN: No

POSSIBLE EFFECTS OF EXPOSURE....

SKIN CONTACT..... Will not be absorbed through the skin. In

rare cases may cause a skin irritation.

EYE CONTACT..... Irritation

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SECTION 5 HEALT	TH HAZARD DATA CONT'D
INHALATION	When this product is warmed, inhalation of vapors can cause irritation of the upper respiratory tract and eyes. Overexposure may cause irritation or dizziness.
INGESTION MEDICAL CONDITIONS AGGRAVATED BY	Effects not determined.
EXPOSURECARCINOGENICITY	Not determined IARC Monographs: No NTP: No OSHA Regulated: No
NOTE	Two year animal tests (inhalation) at 50, 200 and 600 ppm of vinyl acetate monomer have shown that some animals in the 600 ppm group developed tumors. There was no tumor response at the 50 and 200 ppm groups. There is no evidence of human carcinogenicity.
SECTION 6 EMERGENCY AND FIRST AID PROCEDURES	
CONSULT PHYSICIAN IN ALL CASES SKIN EYES	Wash with soap and water. Rinse with running water for fifteen minutes.
INGESTIONINHALATION	
SECTION 7 REACTIVITY DATA	
PRODUCT STABILITY Conditions to Avoid CHEMICAL INCOMPATIBILITY HAZARDOUS DECOMPOSITION PRODUCTS HAZARDOUS POLYMERIZATION Conditions to Avoid	Oxides of carbon and monomer when burned Will not occur None
SECTION 8 SPECIAL PROTECTION INFORMATION	
RESPIRATORY PROTECTION	Wear suitable NIOSH/MSHA approved respirator where exposure limits are exceeded.
VENTILATION - Local Exhaust	At point where product is dried. Standard plant ventilation otherwise.
- Mechanical (Gen) Special Other PROTECTIVE GLOVES	Yes No No Where repeated and prolonged contact can occur, the use of impervious gloves is
EYE PROTECTION	recommended. Splashproof safety eye protection None

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SECTION 9 SPILL OR	LEAK PROCEDURES
SPILL OR LEAK PROCEDURES	Clean up with suitable absorbent and place in an approved container. If product has dried, scrape up and place in approved container.
WASTE DISPOSAL METHOD	Disposal of product should comply with all applicable federal, state and local regulations.
CONTAINER DISPOSAL	
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SECTION 10 SPECIAL PRECAUTIONS	
SPECIAL HANDLING	None
KEEP FROM FREEZING	Yes. Product is freeze/thaw stable for five cycles.
KEEP OUT OF REACH OF CHILDREN	Yes
SECTION 11 REGULATORY INFORMATION	
NEW JERSEY	Water 7732-18-5
CALTEODNIA DDODOSTETON 65	Polyvinyl alcohol 25213-24-5 Defoamer (no CAS#) Trade Secret 80100233-5015p The following statement is made in order
CALIFORNIA PROPOSITION 65	to comply with the California Safe Drink- ing Water and Toxic Enforcement Act of 1986: This product may contain the follow- ing chemicals, "known to the State to cause cancer": acrylamide (<.02%),
	acetaldehyde (.03%) and arsenic (<.0005%).
CALIFORNIA RULE 1168	Calculated VOC (less water) = 10.7 g/l
HMIS RATING	Health 1 Flammability 0 Reactivity 0 Protective Equipment See Section 8
SECTION 12 SUPPLIER INFORMATION	

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Hotice: 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.