

WAUWATOSA / IDC / NASHOTAH
ADHESIVE / SEALANT - KARONA
MULTIBOND 2005

11/03

HMS Rating
Health 2
Flammability 0
Reactivity 0

SECTION I—PRODUCT IDENTIFICATION

Product Name: Multibond 2005
Product Number: 4287
Chemical Family Description: Crosslinking polyvinyl acetate emulsion adhesive

SECTION II—HAZARDOUS INGREDIENTS INFORMATION

Hazardous Components	% by Weight	OSHA TWA	OSHA STEL ¹	ACGIH TLV	ACGIH STEL ¹	SARA Sec. 313
Vinyl acetate (CAS#108-05-4)	<0.50	10 ppm	20 ppm	10 ppm	20 ppm	Yes
Formaldehyde (CAS#50-00-0)	<0.05	0.75 ppm	2 ppm	1 ppm	2 ppm	Yes

¹15 minute exposure limit

SECTION III—PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point (F.): 210
Vapor Density (air=1): 0.98
Solubility in Water: Dispersible
Appearance: Tan liquid
Odor: Mild

Typical Viscosity (cps.): 4,000
Specific Gravity (water=1): 1.09
Percent Volatile: 48
Evaporation Rate (water=1): 1
pH: 3.0

SECTION IV—FIRE & EXPLOSION HAZARD DATA

Flash Point (F.): None
Flammable Limits: LEL=N/A, UEL=N/A
Extinguishing Media: Water if product has dried
Special Fire Fighting Procedures: Wear MESA NIOSH approved self-contained breathing apparatus
Unusual Fire & Explosion Hazards: None

SECTION V—REACTIVITY DATA

Stability: Stable. Conditions to Avoid: None
Incompatibility (materials to avoid): Strong bases
Hazardous Polymerization: Will not occur. Conditions to Avoid: None
Hazardous Decomposition Products: Oxides of carbon and toxic monomer when burned

SECTION VI—HEALTH HAZARD DATA

Threshold Limit Value: See front page (Section II).

Routes of Entry: Ingestion: No. Inhalation: Yes. Skin: No.

Health Hazards: Ingestion: Acute: Effects not determined. Chronic: Effects not determined.

Inhalation: Contains residual monomer and formaldehyde (see front page Section II). When this product is used at room temperature, no incidence of adverse health effects resulting from inhalation of vapors has been reported to us. When this product is warmed, inhalation of vapors can cause irritation of the upper respiratory tract and eyes. Acute: Overexposure may cause irritation or dizziness. Chronic: Potential carcinogen.

Skin: Will not be absorbed through the skin. In rare cases may cause skin rash. Acute: Irritation. Chronic: Potential allergenic.

Carcinogenicity (monomer): IARC Monographs: No. NTP: No. OSHA Regulated: No.

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 levels. There is no evidence of human carcinogenicity.

Carcinogenicity (formaldehyde): IARC Monographs: Yes. NTP: Yes. OSHA Regulated: Yes.

Exposure to formaldehyde vapor has caused cancer in the respiratory system of rats. There is limited evidence to suggest that formaldehyde vapor may cause cancer in humans. Formaldehyde vapors may increase as a function of storage time and/or elevated temperature.

Signs and Symptoms of Exposure:

Ingestion: Not determined.

Inhalation: Dizziness, irritation.

Skin: Irritation.

Eye Contact: Irritation.

Medical Conditions Generally Aggravated by Exposure: Not determined.

Emergency First Aid Procedures: Consult physician in all cases.

Ingestion: Do not induce vomiting.

Inhalation: Remove patient to fresh air.

Eye Contact: Rinse with running water for 15 minutes.

Skin Contact: Wash with soap and water. If rash persists, contact physician.

SECTION VII—PRECAUTIONS FOR SAFE HANDLING & USE

Steps to be Taken in Case Material is Released or Spilled: Cleanup with suitable absorbent and place in an approved container. If product has dried, scrape up and place in an approved container.

Waste Disposal Method: Disposal of contents and/or container should comply with applicable federal, state and local regulations.

Precautions for Handling and Storing: Store at temperature between 50°F. and 90°F.

Other Precautions: Keep from freezing.

SECTION VIII—SPECIAL PROTECTION INFORMATION

Respiratory Protection: Wear suitable approved respirator where exposure limits may be exceeded.

Ventilation: Local Exhaust: Sufficient to maintain OSHA TWA and STEL. Standard plant ventilation otherwise. Mechanical (general): Yes. Special: No. Other: No.

Protective Gloves: Where repeated or prolonged contact can occur the use of impervious gloves is recommended.

Eye Protection: Splashproof safety eye protection.

Other Protective Equipment: None.

SECTION IX—MISCELLANEOUS

Volatile Organic Compound (VOC): .038 lbs./gallon (calculated as VOC on solids).

Proposition 65: This product contains trace amounts of acetaldehyde, formaldehyde and NMA which are known to the state of California to cause cancer.

This information is given without any warranty or representation. Franklin International does not assume any legal responsibility for the same. It is offered solely for your consideration, investigation and verification as to the accuracy or suitability of such information for application to purchaser's intended purposes and use.