

Safety Data Sheet
BirchBond Dieboard Adhesive

Section 1 Identification

Product identifiers

Product name: BirchBond Dieboard Adhesive

Relevant identified uses

Water based synthetic polymer to be used as a general-purpose adhesive. For Industrial Use Only.

Details of the supplier of the safety data sheet

Freeman Manufacturing & Supply Company
1101 Moore Road, Avon, OH 44011-4043 USA
Telephone: +1 (440) 934-1902
Email: contactus@freemansupply.com

Transport Emergency Phone Number:
(CHEMTEC) 1-800-424-9300

Section 2 Hazards Identification

Classification of the substance or mixture

Not considered Hazardous as defined by OSHA 29CFR 1910.1200

Health Risks and Symptoms of Exposure

Skin Contact: Can cause minor skin irritations, defatting and dermatitis.

Eye Contact: Moderate eye irritation, tearing and reddening, but not likely to permanently injure eye tissue.

Skin Absorption: Not a primary route of entry.

Ingestion: Not a primary route of entry.

Section 3 Composition/Information on Ingredients

Mixture

Water based synthetic polymer
No components are classified as hazardous under the OSHA Hazard Communication Standard

Section 4 First Aid Measures

IF IN EYES: Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.

IF ON SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.

IF VAPORS INHALED: This material does not present a hazard if inhaled. Remove individual to fresh air after an airborne exposure if any symptoms develop, as a precautionary measure.

IF SWALLOWED: Do not induce vomiting. Seek medical attention immediately. Drink two glasses of water or milk to dilute. Do not give anything by mouth to an unconscious person. Induce vomiting as a last measure. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis that may be fatal.

Section 5 Fire-Fighting Measures

Suitable Extinguishing Media: Use water spray, foam, dry chemical or carbon dioxide.

Special Fire-Fighting Procedures: Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.

Unusual Fire and Explosion Hazards: There is a possibility of pressure buildup in closed containers when heated. Water spray may be used to cool the containers.

Hazardous Decomposition Products: Carbon dioxide, Carbon monoxide

Section 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

No health effects expected from the cleanup of this material if contact can be avoided.
 For personal protection see Section 8.

Environmental precautions

Keep spilled product out of sewers, watersheds, or water systems.

Methods and materials for containment and cleaning up

Dike if necessary, contain spill with inert absorbent and transfer to containers for disposal.

Section 7 Handling and Storage

Precautions for safe handling

Mildly irritating material. Avoid unnecessary exposure.
 This product may contain trace amounts (<0.1%) of residual monomer. Under normal handling and use conditions the residual monomer should not present a hazard.

Conditions for safe storage, including any incompatibilities

Store at ambient temperatures in closed containers. Do not allow to freeze as product may be damaged.

Section 8 Exposure Controls/Personal Protection

Components with workplace control parameters

No exposure limits exist for the constituents of this product.

Appropriate engineering controls

No engineering controls are likely to be required to maintain operator

Personal Protective Equipment

Eye/Face Protection: Wear safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material.

Skin Protection: Avoid skin contact by wearing chemically resistant gloves.

Hand Protection: Wear nitrile gloves

Respiratory Protection: The need for respiratory protection is not anticipated under normal use conditions and with adequate ventilation. If elevated airborne concentrations are anticipated, a NIOSH-approved organic vapor respirator equipped with a dust/mist prefilter should be used.

Safety Stations

Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

General Hygienic Practices

Avoid breathing fumes. Avoid contamination of food, beverages, or smoking materials. Wash thoroughly after handling, and before eating, drinking or smoking. Remove contaminated clothing promptly and clean thoroughly before reuse.

Section 9 Physical and Chemical Properties

Appearance	Opaque white liquid
Odor	Mild, sweet
Odor Threshold	No data available
pH	4.2 - 7.5
Boiling Point	Approximately 100°C (212°F)
Freezing/Melting Point	Approximately 0°C (32°F)

Section 9 Physical and Chemical Properties

Flash Point	Not applicable (water-based)
Evaporation rate	No data available
Upper/lower flammability	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Specific Gravity	1.02 – 1.14
Weight Per Gallon (lb.)	8.5 – 9.5
Water Solubility	No data available
Coefficient: n-octanol/ water	No data available
Auto-ignition temperature	Not applicable (water-based)
Viscosity	No data available
VOC Content	< 0.1%
Solids (% by weight)	30 – 65%
HAPS	< 0.1%

Section 10 Stability and Reactivity

Stability:	Stable at ambient temperatures.
Conditions to avoid:	Avoid freezing
Incompatible materials:	Strong acids or bases
Hazardous decomposition products:	Carbon monoxide, carbon dioxide
Hazardous polymerization:	Will not occur

Section 11 Toxicological Information

This product does not contain any hazardous ingredients intentionally added in concentrations excess under OSHA Hazard Communication Standard 29CFR 1910.12000. No additional health information available.

Section 12 Ecological Information

Ecotoxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT & vPvB assessment	No data available

Section 13 Disposal Considerations

To the best of our knowledge, this product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. Solidify and dispose of in an approved landfill. Consult state, local or provincial authorities for more restrictive requirements.

Section 14 Transport Information

DOT: Not regulated

Section 15 Regulatory Information

Inventory Status

U.S. EPA TSCA: This product is in compliance with the Toxic Substances Control Act's Inventory requirements.

TSCA Section 12(b) - Export Notice Requirements: This product does not contain any TSCA 12 (b) regulated chemicals.

Canadian CEPA DSL: This product is in compliance with the Canadian Domestic Substance List requirements.

European Union REACH Substances of Very High Concern: We do not intentionally add any of the known chemicals to the adhesive products listed, nor are any of these chemicals intentionally added in the manufacture of the raw materials used.

U.S. Regulation

CERCLA REGULATED CHEMICAL: This product does not contain any CERCLA regulated chemicals.

SARA 302 EHS CHEMICALS: This product does not contain any SARA extremely hazardous chemicals.

USEPA TRI and PBTs: We do not intentionally add $\geq 0.1\%$ of any substances on the USEPA TRI - Complete USEPA toxic chemical list or US EPA Toxic Release Inventory Persistent, bioaccumulative and toxic (PBT) chemicals-known persistent bioaccumulative and toxic chemicals and compounds (a subset of the EPA TRI list of chemicals and compounds) in the manufacturing process, nor are any intentionally added by our raw material suppliers.

FDA Regulations: FDA - Code of Federal Regulations, Title 21 The product above may be used in compliance with the following: 21 CFR 175.105 - Adhesives --- This regulation specifies that the adhesive is either separated from food by a functional barrier, or used subject to the following additional limitations: (a) The amount of adhesive that contacts packaged dry foods shall not exceed the amounts of good manufacturing practice; (b) The quantity of adhesive that contacts packaged fatty and aqueous foods shall not exceed the trace amount at seams and at edge exposure between packaging laminates that may occur within the limits of good manufacturing practice, and under normal conditions of use the packaging seams or laminates will remain firmly bonded without visible separation.

Canadian Workplace Hazardous Materials Information System (WHMIS)

This product is not controlled under the Canadian WHMIS.

California Proposition 65

This product is not known to contain any components for which the State of California has found to cause cancer, birth defects or other reproductive harm.

Section 16 Other Information

Disclaimer

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