

<b>Section 1 Identification</b>													
<p><b>Product identifiers</b>            Product names: Z-Bond Adhesive</p> <p><b>Relevant identified uses</b>            Water Based Pressure Sensitive Adhesive used as a tackifying surface treatment. It has good plasticizer migration, oxidation and UV resistance</p> <p><b>Details of the supplier of the safety data sheet</b>            Freeman Manufacturing and Supply Company            1101 Moore Road, Avon, OH 44011            Phone (440) 934-1902            FAX (440) 934-7200</p> <p><b>24 Hour Emergency Phone Number: (800) 424-9300</b></p>	<table border="1"> <thead> <tr> <th colspan="2"><b>HMIS</b></th> </tr> </thead> <tbody> <tr> <td><b>H</b></td> <td>1</td> </tr> <tr> <td><b>F</b></td> <td>0</td> </tr> <tr> <td><b>R</b></td> <td>0</td> </tr> <tr> <td colspan="2"><b>PPE</b></td> </tr> <tr> <td colspan="2">Sec. 8</td> </tr> </tbody> </table>	<b>HMIS</b>		<b>H</b>	1	<b>F</b>	0	<b>R</b>	0	<b>PPE</b>		Sec. 8	
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<b>Section 2 Hazards Identification</b>													
<p><b>GHS Classification in accordance with 29 CFR 1910.1200 (OSHA HCS):</b>            This product is not hazardous in the form that it is shipped.</p> <p><b>Product Class:</b> Modified Acrylic Polymer Emulsion  <b>Routes of Entry:</b> Eyes, Skin, Ingestion, and Inhalation  <b>Potential health effects:</b>  <b>Eyes:</b> Flush eyes gently with water  <b>Skin:</b> Wash with soap and water  <b>Ingestion:</b> Seek Medical Attention  <b>Inhalation:</b> Move individual to fresh air, seek medical attention</p> <p><b>Acute Health Hazards:</b> Mild Respiratory tract irritant  <b>Chronic Health Hazards:</b> N/A</p>													
<b>Section 3 Composition/Information on Ingredients</b>													
<p><b>Composition</b>            No Reportable Hazardous Substance(s) or Complex Substance(s)</p> <p><b>Composition comments</b>            The product may contain varying levels of additives such as slip and antiblocking agents, antioxidants and stabilizers.</p>													
<b>Section 4 First Aid Measures</b>													
<p><b>Eyes</b></p> <p><b>Skin</b></p> <p><b>Ingestion</b></p> <p><b>Inhalation</b></p>	<p>Immediately flush the eyeball and the inner surface of the eyelid with plenty of water.</p> <p>In case of contact, immediately immerse or flush skin with large amounts of cold water.</p> <p>If ingested, call a physician immediately. Remove stomach contents by gastric suction or induce vomiting only as directed by medical personnel. Never give anything by mouth to an unconscious person.</p> <p>If inhaled, move to an area with fresh air and medical attention for symptoms of breathing problems.</p>												

**Section 5 Fire-Fighting Measures**

**Suitable extinguishing media**

The product will only burn after the water it contains is driven off. Aqueous solution is not flammable.

**Special Fire-Fighting Procedures**

No special procedure required. This product, as distributed, is noncombustible.

**Unusual Fire and Explosion Hazards**

Water, carbon dioxide, carbon monoxide, and smoke are released when dried polymer is burned.

**Hazardous Decomposition Products**

If burned carbon monoxide, carbon dioxide and other unknown products may be produced. Incomplete combustion can yield low molecular weight hydrocarbons.

**Section 6 Accidental Release Measures**

**Spill Response**

Spilled emulsions are very slippery. If spill occurs in enclosed area, ventilate. Appropriate safety measures and protective equipment should be used. Create a dam to limit spreading. Mop up and absorb on inert material and place in containers. Remove saturated clothing and wash contacted skin areas with soap and water.

**Disposal**

Product is water based, non-hazardous waste. Do not dump into sewers, on the ground, or into any body of water. Consult local sewer authority before discharging into the sewer.

**All federal, state, and local regulations regarding health and pollution should be followed when disposing of contaminated water or recovered material.**

**Section 7 Handling and Storage**

**Precautions for safe handling**

Avoid breathing vapors/fumes. Use only with adequate ventilation. Avoid contact with product.

**Conditions for safe storage**

Keep away from oxidizers. Avoid freezing temperatures during storage. Minimize contact with atmospheric air to prevent inoculation with microorganisms. Do not store in reactive metal containers.

**Empty Container Precautions**

Follow label warnings even after container is emptied since empty containers may retain product residues. Do not reuse empty containers without proper cleaning.

**Section 8 Exposure Controls/Personal Protection**

**Appropriate engineering controls**

Provide adequate general and local exhaust ventilation.

**Personal protective equipment**

**Eye/face protection**

Safety glasses. Safety goggles when splash potential exists.

**Skin protection**

Rubber gloves are recommended.

**Section 8 Exposure Controls/Personal Protection continued**

**Respiratory Protection**

Respirator with combination filter for vapor/particulate. In case of insufficient ventilation wear suitable respiratory equipment.

**General Hygienic Practices**

Provide readily available eyewash stations and safety showers. Wash thoroughly after handling, especially before eating, drinking, smoking, or using the restroom facilities.

**Section 9 Physical and Chemical Properties**

<b>Physical state</b>	Liquid
<b>Color</b>	White (Wet) / Clear (Dry)
<b>Odor</b>	No data available
<b>Odor threshold</b>	Not applicable
<b>pH</b>	4.0-5.5
<b>Boiling point</b>	212°F
<b>Melting point</b>	Not applicable
<b>VOC Content</b>	No data available
<b>Initial boiling point &amp; boiling range</b>	No data available
<b>Evaporation rate (Butyl Acetate = 1)</b>	Not applicable
<b>Flammability (solid)</b>	Not applicable
<b>Upper flammability limits</b>	No data available
<b>Lower flammability limits</b>	No data available
<b>Vapor pressure</b>	Not applicable
<b>Vapor density</b>	Not applicable
<b>Density</b>	8.60 lbs/gal
<b>Solubility in water (% by weight)</b>	Not applicable
<b>Coefficient: n-octanol/water</b>	Not applicable
<b>Auto-ignition temperature</b>	Not applicable
<b>Viscosity</b>	4,500 – 9,500 cps at 77°F

**Section 10 Stability and Reactivity**

<b>Stability</b>	Stable at ambient temperatures, Coagulation may occur following freezing, thawing, or boiling.
<b>Conditions to avoid</b>	None known
<b>Incompatible materials</b>	Reactive metals (i.e. sodium, calcium, zinc)
<b>Hazardous decomposition</b>	Will not occur
<b>Hazardous polymerization</b>	Not applicable

**Section 11 Toxicological Information**

<b>Toxicological information</b>	No toxicological data available for this product.
<b>Hazardous Components</b>	
<b>NTP Carcinogen</b>	None
<b>IARC Carcinogen</b>	None
<b>OSHA Carcinogen</b>	None

**Section 12 Ecological Information**

**Persistence / Degradability**

Material expected to be persistent.

**Environmental Stability**

Not expected to be harmful to environment. Commonly available data on material indicates that uncontrolled releases to soil, ground water, or surface waters could entail acute and/or chronic ecological effects, depending on the quantity and concentration of such releases. Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways.

**Section 13 Disposal Considerations**

Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose of material according to Local, State, Federal, and Provincial Environmental Regulations.

**Section 14 Transport Information**

**U.S. Department of Transportation (DOT)**

**Proper Shipping:** NOT HAZARDOUS

**Hazards Class:** None

**ID Number:** None

**Packaging Group:** None

**Label Statement:** None

**Water Transportation**

**Proper Shipping:** NOT HAZARDOUS

**Hazards Class:** None **ID Number:** None

**Packaging Group:** None

**Label Statement:** None

**Air Transportation**

**Proper Shipping:** NOT HAZARDOUS

**Hazards Class:** None

**ID Number:** None

**Packaging Group:** None

**Label Statement:** None

**Section 15 Regulatory Information**

**US Federal Regulations:**

**TSCA (Toxic Substance Control Act):** All components of this product are included in the EPA Toxic Substance Control Act Chemical Substance Inventory.

**CERCLA (Comprehensive response compensation, and liability act):** None Known

**SARA TITLE III (Superfund amendments and reauthorization act):**

**311/312 Hazard Categories:** None Known

**313 Reportable ingredients:** None Known

**Section 15 Regulatory Information continued**

**Clean Air – Ozone Depleting Chemicals:** According to 40 CFR Part 82, Protection of Stratospheric Ozone; Labeling, this product(s), to the best of our belief, is neither “manufactured with” or “contains” any substances as designated as a Class I or Class II Ozone Depleting Chemical

**Section 16 Other Information**

**Disclaimer**

The following supersedes Buyer’s documents. SELLER MAKES NO REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller be liable for incidental, consequential or indirect damages for alleged negligence, breach of warranty, strict of liability arising in connection with the product(s). Buyer’s sole remedy and Seller’s sole liability for any claims shall be Buyer’s purchase price. Data and results are based on controlled lab work and must be confirmed by Buyer by testing for its intended conditions of use. The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended.