

This supersedes all previous product description and specification as of October 30, 2020



# AABBITT® ADHESIVES, INC.

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## PRODUCT SPECIFICATION

### 834-JADE®-304H

### JADE® BOOK RESTORATION ADHESIVE

Product provides book restoration communities the ability to restore variety of books in various methods and manner centering on personal knowledge and experience, that some consider proprietary process.

User must preapprove and prequalify adhesion quality as well as the long term functionality of Jade® Book Restoration Adhesive 834-JADE®-304H before embarking on mass production. Glued surfaces must be allowed to completely dry out at temperatures between 60°F to 90°F for period of 24 hours before stored or shipped in sub zero temperature in a non-heated freight carrier or warehouse.

Failure to adhere to above stated guideline could result in de-lamination of bound books. User must allow the product to reach room temperature of 72°F minimum to ensure proper viscosity flow and functionality stated above.

**Note! Heavy viscosity could result of excessive glue transfer with transfer rollers.**

**More glue equals more water thus results in slower drying**

### PHYSICAL PROPERTIES:

METHOD OF APPLICATION:	Brush, Transfer Roller or Extrusion
BASE	Modified polyvinyl acetate resin emulsion
COLOR:	Milky white when wet, clear when dry
ODOR:	Typical sweet when wet, none when dry
SOLVENT:	(None) Water-based
SHELF LIFE:	90 Days
ADHESION:	Excellent
VISCOSITY:	21,000-26,000 cps
TOTAL SOLIDS:	48-50%
WATER RESISTANCE:	Poor
PH	7.1-7.3
CLEAN UP:	Use hot water
ASH:	None
WEIGHT/GALLON:	8.9-9.2 pounds per gallon

Aabbitt Adhesives, Inc, cannot, however, undertake to guarantee the quality of finished products incorporating this material.

All components of product 834-JADE®-304H conform to the following F.D.A. regulations subject to the extraction limitations thereof:

C.F.R. Section 175.105 "Adhesives", logistic support packaging for food, excluding inks.

Storage:

Do not mix with other adhesives. Keep container sealed.

Store away from direct sunlight or extreme cold air stream.

Store at temperatures between 60-100°F. Rotate material first

in, first out. Material solids will settle after prolonged standing

for uniform results, stir well before use.

Freeze-Thaw Stability:

Yes \_\_\_ No **XX** Cycles \_\_\_

The information given and the recommendations made herein are based on our research and are believed to be accurate but no guaranty of their accuracy is made. In every case we urge and recommend that purchasers before using any product in full scale production make their own tests to determine to their own satisfaction whether the product is of acceptable quality and is suitable for their particular purposes under their own operating conditions. The products discussed herein are sold without any warranty as to merchantability or fitness for a particular purpose or any other warranty, express or implied. No representative of ours has any authority to waive or change the foregoing provisions, but, subject to such provisions, our engineers are available to assist purchasers in adapting our products to their needs and to the circumstances prevailing in their business. Nothing contained herein shall be construed to imply the non-existence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.



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Safety Data Sheet

834-JADE<sup>®</sup>-304H

**JADE<sup>®</sup> BOOK RESTORATION ADHESIVE**

**SECTION 1: PRODUCT AND COMPANY INFORMATION**

**Manufacturer** Aabbitt Adhesives, Inc. 2403 N Oakley Ave, Chicago, IL 60647  
1-800-AABBITT<sup>®</sup> (773) 227-2700 info@aabbitt.com www.aabbitt.com/  
**Chemical Family** Modified polyvinyl acetate resin emulsion.  
**Trade Name** Jade<sup>®</sup>Book Restoration Adhesive  
**Product ID** 834-JADE<sup>®</sup>-304H  
**Recommended Uses** Book Restoration Adhesive.

**SECTION 2: HAZARD IDENTIFICATION**

**Classification:** Not classified as hazardous according to 29 CFR 1910.1200 (2012)

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**Components:** None classified as hazardous according to 29 CFR 1910.1200 (2012)

**SECTION 4: FIRST AID MEASURES**

**Skin Contact:** No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Thoroughly clean clothing and shoes before reuse.

**Eye Contact:** If in eyes: Flush eyes with water for 15 minutes lifting upper and lower lids occasionally. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation occurs and persists: Get medical advice/attention.

**Inhalation:** No specific first aid measures are required. If exposed to excessive levels of material in the air, Move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

**Ingestion:** If swallowed seek immediate medical attention. Do not induce vomiting unless recommended by physician. If spontaneous vomiting occurs, keep head below hips to avoid aspiration (into lungs).

**Delayed or Other Symptoms and Health Effects:** Not Classified.

**SECTION 5: FIREFIGHTING MEASURES**

**Basic Firefighting Procedures:** Material will not burn. Use Extinguishing Media suitable to surrounding fire. Exposed firefighters should wear MSHA/NIOSH approved self-contained breathing apparatus with full-face mask and full protective equipment if product breakage with dust generation occurs.

**Unusual Fire and Explosion Hazards:** None known.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Refer to Section 8: Exposure Control and Personal Protection**

**Spill Management:** Stop leak. Ventilate area and avoid breathing vapor or mist. For large spills, dike far ahead of liquid spill for later disposal. Contain away from surface waters and sewers. Absorb with compatible absorbent material and shovel into closable container for disposal. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

**Notification:** Any spill or release to navigable water that causes a visible sheen upon the water must be reported immediately to the National Response Center (800/424-8802), as required by U.S. federal law.

**SECTION 7: HANDLING AND STORAGE**

**Refer to Section 8: Exposure Control and Personal Protection**

**Precautionary Measures:** Use in well-ventilated area and avoid breathing vapor or mist.

**General Handling Information:** Use good personal hygiene. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco products. Clean contaminated clothing, shoes and protective equipment before reuse. Discard contaminated clothing, shoes or protective equipment if they cannot be thoroughly cleaned.

**Container Warnings:** Keep container tightly closed when not in use and during transport. Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous.

**Storage:** Store at room temperature, keep from freezing. Keep container sealed and free from dirt.

**Other Precautions:** Keep out of reach of children

**SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION**

**Engineering Controls:** Use good ventilation. Local exhaust is acceptable.

**Eye, Face and Skin Protection:** Use safety glasses with eye guards. Use of rubber gloves is recommended.

**Inhalation:** Negligible hazard at ambient temperature. Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract. Use NIOSH/MSHA-approved respiratory protective equipment when concentration of vapor or mist is present.

**Ingestion:** No hazard in normal industrial use.

**Other Protective Equipment:** Not required.

Safety Data Sheet: 834-JADE-304H JADE® BOOK RESTORATION ADHESIVE

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance/Physical State</b>	Liquid, milky white when wet, clear when dry.
<b>Specific Gravity</b>	1.06 - 1.11
<b>pH</b>	7.1-7.3
<b>Solubility in Water</b>	Miscible
<b>Odor</b>	Typical sweet when wet, odorless when dry.
<b>Odor Threshold</b>	Not Determined
<b>Melting/Freezing Point</b>	Not Determined
<b>Boiling Range</b>	Not Determined
<b>Initial Boiling Point</b>	>212°F
<b>Flash Point (Setaflash Closed Tester)</b>	Not Applicable
<b>Upper/Lower Flammability Limits</b>	Not Applicable
<b>Auto Ignition Temperature</b>	Not Determined
<b>Decomposition Temperature</b>	Not Determined
<b>Vapor Pressure</b>	As Water
<b>Vapor Density</b>	As Water
<b>Partition Coefficient</b>	Not Determined
<b>Viscosity</b>	21,000-26,000 cps
<b>Supplemental Information:</b>	
<b>Evaporation Rate:</b>	Not Applicable
<b>Percent Volatility by Weight</b>	50-52%
<b>VOC:</b>	Nil

**SECTION 10: STABILITY AND REACTIVITY**

**Reactivity:** Material is stable under normal conditions.  
**Stability/Incompatibility/ Conditions to Avoid:** None known.  
**Hazardous Reactions/Decomposition Products:** Thermal decomposition may produce oxides of carbon.  
**NFPA Reactivity Hazard Class:** 0 (Insignificant)  
**Hazardous Polymerization:** Will not occur.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Likely Routes of Exposure:** Eyes and skin contact, inhalation.  
**Acute Effects:** Eyes: Contact may produce mild eye irritation and redness. Skin: Contact may produce mild skin irritation. No significant skin absorption hazard. Inhalation (Breathing): High concentration of vapor or mist may be irritating to the respiratory tract. Ingestion (Swallowing): Low order of acute oral toxicity. May cause irritation of gastrointestinal tract.  
**Chronic Effects:** Prolonged or repeated skin contact may cause drying or dermatitis. Any acute symptoms may be aggravated. Individuals with pre-existing lung or disorders may have increased susceptibility to the effects of exposure.  
**Symptoms:** May include redness, drying, cracking of the skin, gastrointestinal and respiratory discomfort. Refer to Sections 2 and 4 for recommended actions.  
**Carcinogenicity:** No components of this product are found to be carcinogens by NTP, IARC or OSHA.

**SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity:** Not available.  
**Persistence and Biodegradability:** Not available.  
**Bioaccumulative Potential:** Not available.  
**Mobility in Soil:** Not Determined.

**SECTION 13: DISPOSAL CONSIDERATION**

**EMPTY CONTAINER WARNINGS:** Empty containers may contain product residue; follow SDS and label warnings even after they have been emptied.  
**WASTE DISPOSAL METHODS:** Waste disposal should be in accordance with existing federal, state, and local environmental regulations. Use material for its intended purpose or recycle if possible. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations.

**SECTION 14: TRANSPORT INFORMATION**

**DOT PROPER SHIPPING NAME:** Not regulated  
**DOT CLASS:** Not regulated  
**DOT ID NUMBER:** Not regulated  
**TDG CLASSIFICATION:** Not regulated

Safety Data Sheet: 834-JADE-304H JADE® BOOK RESTORATION ADHESIVE

**SECTION 15: REGULATORY INFORMATION**

**SARA TITLE III:** Product does not contain toxic chemicals subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372

**EPCRA 311/312 CATEGORIES:** None

**CHEMICAL INVENTORIES:** All components comply with the following chemical inventory requirements: DSL (Canada), TSCA (United States).

State Right to Know: Not Listed

California Proposition 65: Not Listed

**Canadian Regulatory Information:** Canada DSL/NDSL Inventory: This product and/or its components are listed either on the domestic Substances List (DSL) or are exempt.

HMIS Health – 0 Flammability – 0 Reactivity -0 Personal Protection – B

**SECTION 16: OTHER INFORMATION**

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