



BY APPOINTMENT  
TO HER MAJESTY THE QUEEN  
MANUFACTURERS OF LEATHER  
J. HEWIT & SONS LTD, EDINBURGH

# J Hewit & Sons Ltd

## LEATHER MANUFACTURERS



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### **HEALTH AND SAFETY AND TECHNICAL INFORMATION**

#### **PVA M218**

This grade has been specially formulated as a conservation paste and for other conservation book binding operations. The dried adhesive film has the capacity to de-laminate in the presence of water. However, as conservation can be varied and requirements differ, we recommend that the customer should test this product against their specific conservation requirements.

M218 is a medium viscosity compounded emulsion. It has excellent rheological properties, giving good running characteristics in a wide variety of coating and application systems. The emulsion dries to a strong flexible film.

This adhesive may be used in a variety of packaging and book binding applications, either by machine or hand, particularly suited for use on a Swift or Balema machine for hand case making.

Unlike most PVA's this adhesive has a built in resistance to yellowing due to ageing and also has a neutral pH.

#### **TYPICAL PRODUCT DATA:**

Total Solids	51%
pH	7.0
Viscosity	62.5 poises @ 20°C Brookfield LVT Spindle 4 Speed 60
Mechanical Stability	Excellent

#### **SPECIAL NOTES:**

Protect from frost.

Keep lids on containers to prevent skinning and drying out.

Always rotate stock, ensuring oldest material is used first.

Use product within 6 months of date of manufacture.

*Material stored for prolonged periods should be agitated before use.*

## COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	CAS No	Content	Health (Class)	Risk Phrases (R No)
Vinyl Acetate	108-05-04	0 – 0.30%		

## HAZARDS IDENTIFICATION

Hazard identification not required – product not regarded as a health hazard under current legislation.

## FIRST AID MEASURES

**Inhalation :** Avoid prolonged inhalation of concentrated vapour/air mixtures. During handling and processing traces of Vinyl Acetate will be unavoidably inhaled (for further information on control limits see HSF Guidance Note EH4C) in these cases the person should be removed from the immediate work place to fresh air.

**Skin Contact :** Wash skin immediately with soap and water. Seek medical attention if irritation persist after washing. While the product is not a primary irritant, prolonged and repeated contact can cause a reaction, especially to sensitive skins. Barrier creams or gloves in these cases are necessary.

**Eye Contact :** Irrigate thoroughly with warm water. If symptoms persist, seek medical advice.

**Ingestion:** In cases of ingestion drink lots of water to dilute the swallowed chemical. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS ! Seek medical advice at once.

## FIRE FIGHTING MEASURES

**Extinguishing Media :** No restrictions necessary. These adhesives are non-flammable, having no flash point, and therefore no special precautions are necessary. There is no restriction on extinguishing needed.

**Hazardous Decomposition Products :** Carbon Dioxide and Carbon Monoxide.

## ACCIDENTAL RELEASE MEASURES

**Spill Clean-Up Methods :** Contain spillage's with an inert material (i.e. sand) and dispose of waste in accordance with Local Authority Regulations.

**Cleaning :** Wash all equipment with warm water before the adhesive dries.

## HANDLING AND STORAGE

**Storage :** No special precautions are necessary. Stored in unopened containers at 5 to 25 C, PVA remains useable for at least three months.

**Handling :** When handling, it is recommended that barrier creams or gloves are used and where splashing may occur, wear goggles.

## EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ingredient Name	CAS No.	STD (8hrs.)	LT Exp. (10 mins.)	ST Exp.
Vinyl Acetate	108-05-4	OES	10 PPM	20 PPM

Gloves are advisable to prevent repeated or prolonged skin contact and goggles to avoid splashes to the eyes where the method of application makes it necessary. Appropriate clothing should be worn to prevent repeated and prolonged skin contact.

## **PHYSICAL AND CHEMICAL PROPERTIES**

**Colour :** White

**Appearance :** Viscous Liquid

**Odour :** Mild

**Physical Data Comments :** Adhesive based on Vinyl Acetate Copolymer Emulsions.

## **STABILITY AND REACTIVITY**

**Stability :** Normally stable. If stored correctly, product will remain in a useable state for at least three months.

**Hazardous Decomposition Products :** Fire – Carbon Dioxide and Carbon Monoxide.

## **TOXICOLOGICAL INFORMATION**

### **ECOLOGICAL INFORMATION**

**Degradability :** Polymer is not readily biodegradable

**Toxicity :** Low toxicity.

**Water Hazard Classification :** WGK1 self-classified.

### **DISPOSAL CONSIDERATION**

Do not allow run off to sewer, waterway or ground. Dispose of in accordance with Local Authority Regulations. The product can be de-watered by coagulation/flocculation and the coagulum disposed of by land fill.

### **TRANSPORT INFORMATION**

**Label for Conveyance :** No transport warning sign required by road, air, sea or rail.

### **REGULATORY INFORMATION**

**Label for Supply :** Not Classified

**Risk Phrases :** Not Classified

**Safety Phrases :** Not Classified

**NB: The information supplied is, to the best of knowledge, true and accurate, but recommendations or suggestions made are without guarantee since the conditions of use are beyond our control.**