

## WS 1650 Archival Quality Starch Paste

Specially formulated for use as an archivist and bookbinding paste and used in book repair and picture mounting. Especially useful for end papering and general hand book binding work where its smooth slow setting properties aid positioning.

WS1650 is also suitable for the production of archival quality envelopes and folders.

WS1650 is specially formulated to provide a long service life and the inclusion of a fungicide (0.15%) enhances both stability and complete protection of the adhesive in use. WS1650 is soluble in water.

### Technical data

An aqueous solution of modified starch (wheat) adhesive paste.

pH : 6.5 to 7.5

Solid content : 33-35%, colour white.

Specific gravity : 1.1

Viscosity : 40,000 to 100,000 cps

Odour : Bland

Toxicity : This product is not toxic

Fungicide : 0.15%

Gluten free.

Store above 5°C to prevent frost damage and keep containers covered when not in use to prevent drying out. Stir before use.

### Additional health & safety information

Skin contact : Wash with soap and water and dry thoroughly.

Fire risk : Not combustible, water based product.

No special precautions if used in accordance with product data sheets.

Supplied in 500 ml, litre and 5 litre unit.

Information updated : November 1999.

## **GENERAL HEALTH & SAFETY ADVICE AND HANDLING PRECAUTIONS**

When using all adhesives and chemical products, good standards of industrial hygiene and safe working practices should be observed. The points noted below, will go far towards eliminating any risk or difficulty. However, the specific Product Safety Data Sheet should be referred to by all personnel likely to use or be in the vicinity of a product.

### **INGESTION**

Ingestion of adhesives and chemicals should always be avoided. Food and drink should not be brought into, stored, prepared or consumed in areas where chemicals are handled or used. Smoking in such areas should be prohibited. Empty food and drink containers should not be used as applicators or for storing adhesives and chemicals. In the case of accidental ingestion medical advice should be sought immediately.

### **EYE CONTACT**

As a general principle, adhesives and chemicals should never be allowed to get into contact with eyes. Goggles approved to BS.2092 should be worn to prevent splashes entering the eyes.

In the case of accidental contact irrigate with copious amounts of water and seek medical attention immediately.

### **ALLERGIES**

Although it rarely happens, there is always the possibility that an individual may be allergic to one of the substances used in a particular chemical product or adhesive. There is generally no solution to situations of this sort - except to transfer such persons to work which avoids exposure to the source of the allergy.

### **SPILLAGES AND WASTE DISPOSAL**

Spillages of any type should be attended to immediately. Aqueous products can be washed away with water before they dry, provided that the local authority permits the discharge of such waste water to the drains and waterways concerned. An alternative method is to soak up the spillage with an inert material which can then be placed in a suitable container for disposal in accordance with the requirements of the local authority. This latter technique is also particularly appropriate for solvent based adhesives and biocidal agents. Sand is often a suitable adsorbent.

Care should be taken in the disposal of empty containers for solvent based products in order not to present a latent explosion and/or fire hazard. The empty containers should, with due precaution, be either punctured or have the lid left off to ensure that no solvent vapour is trapped under pressure.

**THE FOLLOWING DATA ARE FOR SAFETY ASSESSMENT ONLY,  
AND NOT A SELLING SPECIFICATION.**

PRODUCT IDENTIFICATION		WS1650	
TYPE			
An aqueous solution of modified starch adhesive			
<u>PHYSICAL DATA</u>		<u>HAZARD DATA</u>	
Colour and Form	Soft White Paste	Swallowing	Not classified as toxic when handled according to good standards of industrial hygiene and safety.
Viscosity, P, 25°C	Soft texture, easily spread paste.	Eye contact	Mild irritant
B.D.S.	33 - 35%	Skin contact	Mild irritation after prolonged contact.
S.G.		Skin absorption	N/A
pH	6.5 - 7.5	Inhalation	N/A
Solubility in water	Soluble	Fire	Not combustible, water based product.
Odour	Bland		
Explosive limit - upper - lower	N/A		
Flash point	N/A		
SPECIAL INFORMATION REQUIRED		SPECIAL INFORMATION REQUIRED	

**STORAGE PRECAUTIONS**

(Health and Safety only)

No special precautions. Store in closed containers

**EMERGENCY PROCEDURES****Fire**

Spray drums with water to keep cool.  
No hazard.

**Spillage (including waste disposal)**

Small amounts, wash away with water.  
Large amounts absorb with sand or sawdust or dispose of according to local regulations.

**HANDLING AND PROCESSING PRECAUTIONS**

(Health and Safety only)

**Ventilation**

Normal ventilation

**FIRST AID****Inhalation**

N/A

**Respiratory protection**

Not required

**Swallowing**

Drink plenty of clean water. Seek medical attention.

**Protective clothing**

Light industrial gloves are advised

**Eye contact**

Flush with clean water. If irritation occurs, seek medical attention.

**Eye protection**

Safety spectacles are advised

**Skin contact**

Wash with soap and water and dry thoroughly.

**Fire**

N/A