

## ORABIND -FD45 Binder For Pigment Printing

### TECHNICAL INFORMATION

Co-polymer of Butyl Acrylate and Styrene.  
Non-ionic in nature.  
pH = 7.0 to 8.5

### STABILITY

Stable for a long time

### SOLUBILITY

Easily soluble in Hot & Cold water.

### FASTNESS

Good rubbing, washing fastness and dry-cleaning fastness.

### PROPERTIES

APEO Free  
Environmental Friendly, Biodegradable  
Low Formaldehyde Content  
Meets all standards of ECO-TEX 100 and REACH.  
Shows good adhesiveness, Brightness, Permanency  
Softness, Transparency and economical.

### APPLICATION

It is an excellent binder to give soft and pliable fixation in pigment printing.

It can be safely used as back filling agent for woolen and synthetic carpets.

In order to achieve permanent and semi permanent finishes, this could be used along with various resins.

This binder imparts excellent fastness to cracking and gives flexible film that confers excellent handle properties to the fabrics. It is, therefore, recommended for use with synthetic thickeners as well as normal emulsion systems.

Pastes prepared with the binder have good stability, fluidity and spreading properties.

The required percentage varies in each case. However suggest 5-10% by wt. of the total paste.

## MATERIAL SAFETY DATA SHEET

Customer is required to read this Material Safety Data Sheet carefully to become aware of the hazards associated with the product if any. You are also requested to furnish a copy of this information to your employee, customer, agent, contractor etc in the interest of safety.

**Product Name :**      **ORABIND - FD45**

Not a hazardous substance within the meaning of the current Dangerous Substances Regulation.

### **1. Fire and Explosion Hazard Data.**

Flash Point.	Not Applicable (Aqueous System)
Flammable Limits.	Not Applicable (Aqueous System)
Extinguishing Media	The material will not burn until water has evaporated. For residual solids : use water spray, carbon-di-oxide, dry chemical or universal-type foams fire extinguishers.
Special Fire Fighting Procedure	None.
Explosion Hazard.	None

### **2. Health Hazard Data.**

Swallowing	No harmful effects expected. Physician should be contacted in case of over dosage
Skin Contact	May cause reddening if skin, wash with soap & water.
Inhalation.	No emergency care anticipated.
Eye Contact.	Wash eye with water for at least 15 minutes.

### **3. Reactivity data.**

Stability	Stable.
Condition to Avoid.	None.
Hazardous Polymerization	Will Not occur.

#### 4. Spill or Leak Procedure.

Major spills should be collected for disposal according to local government regulations. Minor spills may be flushed to sewer if local regulations permit.

#### 5. Special Protection Information.

Respiratory Protection.	Not Required
Ventilation.	General room ventilation is satisfactory.
Protective Gloves.	Recommended.
Eye Protection.	Safety Glasses.

#### 6. Labeling & Other Precautions

ORABIND - FD45 is not a hazardous industrial substance and thus does not require a hazard warning label.

The normal precautions relating to handling chemicals apply. Thus the place of work must be well ventilated, skin care measures must be adopted, and safety goggles must be worn. Local industrial hygiene regulations must be observed.