TUSI HAYTHAM BIO LIMITED
Chemistry for a Greener Planet

# Technical Data Sheet

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**BINDACRYL™ Series – BINDACRYL SB**
**Printing Binder – Soft / Smooth**

**Manufacturer: Tusi Haytham Bio Limited**

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**Product Description:**
**BINDACRYL SB is a high-performance acrylic printing binder designed for applications requiring a soft, smooth, and full-hand feel. It provides excellent pigment binding, adhesion, and a flexible finish, making it ideal for printed textiles, labels, and coatings where a supple and soft touch is desired.**

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**Key Performance Properties:**

- **Provides soft, smooth, and full-hand finish to printed surfaces.**
- **Excellent pigment binding and adhesion.**
- **Maintains flexibility without stiffness.**
- **Compatible with common printing pigments and auxiliaries.**
- **Ensures uniform application and minimal defects.**

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**Typical Properties:**

| Property | Specification |
|---|---|
| Appearance | Clear to pale yellow liquid |
| Solid Content | 30 – 40 % |
| pH (25 °C) | 6.0 – 7.5 |
| Viscosity (25 °C) | 150 – 400 mPa·s |
| Solubility | Fully miscible in water |
| Stability | Stable under normal storage and processing conditions |

**Application:**

- **Apply BINDACRYL SB via screen printing, roller coating, or other suitable printing techniques.**
- **Typical pickup: 5 – 20 % owf depending on substrate type and desired softness.**
- **Dry or cure according to process requirements to achieve optimal softness and adhesion.**
- **Compatible with pigments, fillers, and other printing auxiliaries; optimize formulation via lab trials.**

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**Precautions:**

- **Avoid direct contact with eyes and skin; wear protective gloves and eyewear.**
- **Do not mix with strong acids or oxidizing agents without dilution.**
- **Store in tightly sealed containers to maintain product quality.**

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**Packing Size:**
**Available in 25 kg, 60 kg, and 200 kg HDPE drums.**

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**Storage:**

- **Store in a cool, dry, ventilated area below 40 °C.**
- **Shelf life: 12 months from date of manufacture in unopened containers.**
- **Check product label for “Best use before end” date.**

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**Issued by:**
**Tusi Haytham Bio Limited – Technical Division**
**Product: BINDACRYL™ Series – BINDACRYL SB**
**Category: Printing Binder – Soft**