



## UV resistant agent    SILIT-FUN3091

### TECHNICAL DATA SHEET

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#### Introduction

**SILIT-FUN3091** is a special organic compound suitable for UV resistant finishing of polyester and its blended fabrics, endowing fabrics with excellent UV resistance.

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#### Properties

- Appearance: white or light yellow lotion
  - PH value: 6.0~7.5 (original solution)
  - Solubility: can be dispersed in any proportion in water
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#### Characteristics

- It has a significant absorption effect on UV rays ranging from 280 to 320 nm, improving the UPF value of the fabric.
  - Durable UV resistant effect.
  - It can prevent fiber from being brittle due to sunlight degradation.
  - Improve the light/light fastness of dyed fabrics.
  - Good compatibility with other additives, making it suitable for use in the same bath
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#### Applications

UV resistant finishing of polyester and its blended fabrics; It can also be used for UV resistant finishing of cotton fabrics.

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### Usage and dosage

1. One bath dyeing method for polyester fabrics:

UV resistant agent 2~3% (o.w.f) Follow the conventional dyeing process.

2. Padding method:

UV resistant agent 20~30 g/L

Soaking and rolling (with a residual rate of 75%) → Drying → Baking (180 °C) × 1 minute).

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### Notes

This product has strong UV absorption and can produce fluorescence

The destructive effect causes the fabric to turn green, therefore it cannot be used for the finishing of whitened fabrics.

In order to effectively improve the UPF value of the fabric, porous fabrics can be treated with super refreshing elastic agent in one bath.

This product may experience layering during storage. Please stir evenly before use to ensure effective use.

When used in the same bath with other ionic finishing aids, compatibility tests should be conducted in advance.

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### Package

50Kg plastic drum

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### Storage and shelf-life

When stored in the original unopened packaging at a temperature of between +2°C and +40°C, SILIT-FUN3091 can be used for up to 12 months after the date of manufacture marked on the packaging (DLU). Comply with storage instructions and the expiry date marked on the packaging. Past this date, **SHANGHAIVANA BIOTECH** no longer guarantees that the product meets the sales specifications.

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