

Evoran series

Evoran DSP

Dispersing, sequestering polymeric washing-off agent suitable for soaping of reactive dyeing.

INTRODUCTION

Reactive dyes have better property in terms of fastness. Dyeing of cellulosic substrates takes place with reactive dyes under alkaline conditions. But this alkaline conditions also facilitates reaction of reactive group with the dye liquor, resulting in deactivation or hydrolysis of the dye.

This hydrolyzed dye adhere onto the substrate and keep on getting removed during washing treatments causing poor wash fastness. Approximately 3/4th of the dye gets fixed while remaining 1/4th gets hydrolyzed. This hydrolyzed dye must be removed by rinsing and washing with an appropriate washing-off agent in order retain the fastness properties.

Evoran DSP is a polymeric washing-off agent. Due to its protective colloidal property, it does not allow the hydrolyzed dye to re-deposit on the fabric.

FEATURES

- Dispersing with a high sequestering action on water-hardening substances.
- Prevents re-deposition of unfixed/hydrolyzed dye on the fabric.
- Prevents precipitation and deposition of water-insoluble impurities and dyestuff agglomerates.
- Performs action of chelation.
- Decreases hardness present in water to a great extent.

PROPERTIES

Appearance	Colourless clear liquid
pH (1%)	approx.5.0
Ionic character	Anionic

Compatibility with	
Cationic	Good
Anionic	Good
Non-ionic	Good

STALWART ADVANCE MATERIAL INDS

Application & Business Center, B-120, Ansa Industrial Estate, Saki Vihar Road, Sakinaka, Andheri (E), Mumbai – 400 072.
email: sales@stalwartadvance.com; web: www.stalwartadvance.com; Customer care:1800 121 3497

Stability to
hard water Good
electrolyte Good
temperature Good

SAMPLE RECIPE FOR REACTIVE DYEING

Add chemicals preferably at 40°C & pH 6.0
 0.75 – 2 g/l Lubatex AC
 0.5 – 1.0 g/l Neoquest DBS
 0.5 – 1.0 g/l Ultreza DLR
 x g/l Glauber’s salt
 y % Reactive dyes
 Gradually raise the temp to 60°C in 30 mins.
 Add
 y g/l soda ash
 Continue dyeing for 60 mins. Drain.
 Rinse hot for 15-20 minutes at 60-70°C
 Soaping treatment with
 0.5 - 1.0 g/l **Evoran DSP**
 Wash at 90°C for 15 – 20 minutes.
 Repeat washing for deep shades. Drain
 Neutralize with
 1 g/l Neutracid AS for 15 – 20 minutes at 40-60°C. Drain

STORAGE AND HANDLING

Precautions for safe handling	Do not eat, drink or smoke while handling the product.
Conditions for safe storage	Store in a cool, dry & ventilated area away from the sources of heat.
Shelf Life	6 months.

Note: Kindly refer SDS for further information on Storage & Handling.

Evoran is a registered trade name of Stalwart Advance Material Inds.

The information and recommendations presented here were based on our general experience and correspond to the state of our knowledge. They are intended to service as non-binding guidelines and must be adapted to the prevailing conditions. We cannot accept liability for any injury, loss or damage resulting from reliance upon such information.

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