

Ultreza series

Ultreza DBC

Dye-bath conditioner for sequestering, dispersing, levelling and washing-off.

INTRODUCTION

Source of hardness is Glauber's salt /Common salt. It has been observed that the salt which plays a major role in dyeing process is contaminated with heavy metal salts and other impurities. In some cases, even some class of dyes adds metal impurities to the dye-bath. Presence of these heavy metals in salt leads to speckiness and uneven dyeing. **Ultreza DBC** chelates the heavy metal ions and prevent uneven dyeing.

Level dyeing is achieved by controlled exhaustion of the dye so that it is taken up evenly and migration of dye after initially unlevel sorption on the fiber. In some cases, level dyeing can be influenced by dye-bath pH and/or presence of electrolytes. However, to produce better yields with correct depth, leveling agent is a must

Ultreza DBC is designed to satisfy the need which effectively combines leveling and washing-off properties to uniformly dye the fabric. Due to its protective colloidal property, it does not allow the hydrolyzed dye to re-deposit on the fabric.

FEATURES

- Performs action of chelation for both alkaline earth metals as well for heavy metal ions.
- Competes with dye molecules to go onto the fabric to provide uniform leveling.
- Possess dispersing properties required for uniform dispersion of dye molecules.
- Decreases hardness present in water to a great extent.
- Prevents precipitation and deposition of water-insoluble impurities and dyestuff agglomerates.

PROPERTIES

Appearance	Colourless clear liquid
pH	approx. 5.0
Ionic character	Anionic
Compatibility with	
Cationic	Poor
Anionic	Good
Non-ionic	Good

STALWART ADVANCE MATERIAL INDS

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Stability to hard water	Good
Stability to electrolyte	Good
Stability to temperature	Good

SAMPLE RECIPE FOR REACTIVE DYEING

	Add chemicals preferably at 40°C & pH 6.0
0.75 – 2 g/l	Lubatex ACA
1.5 – 2.0 g/l	Ultreza DBC
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
1.5 – 2.0 g/l	Ultreza DBC
	Wash at 90°C for 15 – 20 minutes.
	Repeat washing for deep shades. Drain
	Neutralize with
1 g/l	Neutracid AAS 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.

Ultreza 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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