

Neutracid series

Neutracid ABD

Acid buffer cum dispersant for dyeing of polyester and its blends.

INTRODUCTION

It is widely known that pH control is an easy operation to be carried out. However, it is the most difficult feature in any industry. The control of pH in textile coloration processes is ensured by three fundamentally different techniques:

- the maintenance of relatively high degree of acidity or alkalinity
- the control of pH within fairly narrow tolerances mainly in the neutral region
- the gradual shifting of the pH as a coloration process proceeds

In dyeing of polyester & polyester/cellulosic blends, acid buffer is required to maintain a constant pH of the dye bath in the weakly acid region with its buffering action and thus lead to perfectly reproducible dyeing even when using pH sensitive dyes.

The additional usage of acid, acid salts or special dispersants is unnecessary. In contrast to volatile acids, such as acetic acid, **Neutracid ABD** does not escape from the dye liquor, when dyeing in open bath.

Neutracid ABD forms complexes with heavy metal ions and thus prevents change of shade e.g. of copper sensitive dyes, but does not attack metal complex dyes.

FEATURES

- Phosphate free.
- Stable at high temperature.
- No foaming.
- Has a sequestering action on heavy metal ions like Fe⁺⁺ Cu⁺⁺ Co⁺⁺
- Performs action of sequesterant for both alkaline earth metals as well for heavy metal ions.

PROPERTIES

Appearance	Dark brown liquid
pH	approx.3.0
Ionic character	Anionic

STALWART ADVANCE MATERIAL INDS

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Compatibility with	
Cationics	Poor
Anionics	Good
Non-ionics	Good
Stability to	
hard water	Good
temperature	Good

SAMPLE RECIPE FOR POLYESTER DYEING

0.5 - 1.0 g/l	Versetol NPA
0.5 - 1.5 g/l	Neutracid ABD
0.5 - 1.5 g/l	Ultreza LP
x %	Disperse Dye
	Treat at 130°C for 40-60 mins
	Rinse thoroughly for 20 minutes.
	Raise the temperature to 80°C
1.0 – 2.0 g/l	Evoran RC-ALK
1.0 – 2.0 g/l	Caustic Soda
	Treat for 10-15 mins at 80-90°C
	Cold wash for 15-20 mins.
	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.

Neutracid 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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