

GREENBUFF 1000

An alkali buffer to replace soda ash in reactive dyeing for improving dyeing characteristics and reduce effluent load

CONSTITUTION	Proprietary blend of buffer salts
APPEARANCE	White powder
IONICITY	NA
MISCIBILITY	Dispersible in cold water
COMPATIBILITY	Compatible with all dye bath additives

HIGHLIGHTS	<ul style="list-style-type: none">• Highly effective at similar dosages• Reduces TDS substantially compared to conventional soda ash fixation• High suitability for the “all in one” process with hot brand, vinyl Sulphone and Bifunctional HE/ME reactive dyes,• Produces brighter and cleaner shades• Better reproducibility and operational safety• Reduces dyeing times and produces better yields
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APPLICATION	Various attempts are made to optimise the exhaust dyeing of reactive dyes. Some methods are dependent on the pH control by addition of alkali dosing. The use of these methods increases scope for levelling. Conventional reactive dyeing methods results in increase in effluent load, use of Greenbuff 1000 reduces TDS substantially.
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GUIDELINES

1. VINYL SULPHONE REACTIVE DYES

Set the bath with

Dye	x	%
Glauber's salt	50-80	gms/lit
Greenbuff 1000	6-8	gms/lit

Treat at room temperature and raise temperature to 45°/80°C (as per recommendation) in 30 minutes. Add **Greenbuff 1000** then run for 45 minutes at 45/80° C followed by soaping.

2. BIFUNCTIONAL HE / ME AND HOT BRAND DYES

Set the bath with

Dye	x	%
Glauber's salt	50-80	gms/lit
Greenbuff 1000	6-8	gms/lit

Treat at room temperature and raise temperature to 60°/
85°C (as per recommendation) in 30 minutes. Add
Greenbuff 1000 then run for 45 minutes at 60°C / 85°C
followed by soaping.

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