

## GREENBUFF 1000

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

|                      |  |
|----------------------|--|
| <b>CONSTITUTION</b>  | Proprietary blend of buffer salts  |
| <b>APPEARANCE</b>    | White powder   |
| <b>IONICITY</b>      | NA   |
| <b>MISCIBILITY</b>   | Dispersible in cold water  |
| <b>COMPATIBILITY</b> | Compatible with all dye bath additives   |
| <b>HIGHLIGHTS</b>    | <ul style="list-style-type: none"><li>• Highly effective at similar dosages</li><li>• Reduces TDS substantially compared to conventional soda ash fixation</li><li>• High suitability for the “all in one” process with hot brand, vinyl Sulphone and Bifunctional HE/ME reactive dyes,</li><li>• Produces brighter and cleaner shades</li><li>• Better reproducibility and operational safety</li><li>• Reduces dyeing times and produces better yields</li></ul> |
| <b>APPLICATION</b>   | 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 <b>Greenbuff 1000</b> reduces TDS substantially.   |

### **GUIDELINES**

#### **1. VINYL SULPHONE REACTIVE DYES**

Set the bath with

|                       |       |         |
|-----------------------|-------|---------|
| Dye                   | x     | %       |
| Glauber's salt        | 50-80 | gms/lit |
| <b>Greenbuff 1000</b> | 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.

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## 2. BIFUNCTIONAL HE / ME AND HOT BRAND DYES

Set the bath with

|                       |       |         |
|-----------------------|-------|---------|
| Dye                   | x     | %       |
| Glauber's salt        | 50-80 | gms/lit |
| <b>Greenbuff 1000</b> | 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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