PRODUCT LITERATURE

UNIV-AIO

Product Information

Univ-AIO is a very low foaming speciality product for pretreatment of cotton yarn, cotton knits, terry towels and their blends available in powder form. Due to its unique formulation it acts as a wetting agent, detergent and peroxide stabiliser and also no caustic is required during bleaching. Thus, combined scouring and bleaching can be carried out using only peroxide alongwith Univ-AIO. As caustic is not added during bleaching the total dissolved solids (TDS) of effluent will be low.

Due to low foaming characteristic, it is suitable for soft flow machines as well as low liquor ratio package dyeing machines and jet dyeing machines.

Key Features & Benefits

<table>
<thead>
<tr>
<th>Key Features</th>
<th>Benefits</th>
</tr>
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<tbody>
<tr>
<td>Unique formulation</td>
<td>Wetting agent, detergent and peroxide stabiliser</td>
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<td>No caustic used in the process</td>
<td>Lower degradation and weight loss of treated fabric</td>
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<td>Stable at high temperature</td>
<td>Combined scouring and bleaching can be carried out at high temperature</td>
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<td>Low foaming</td>
<td>Suitable for soft flow and jet dyeing machines</td>
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Eco-friendly

- Low Chemical Oxygen Demand (COD) of effluent
- Low total dissolved solids (TDS) in effluent

General Characteristics

- Physical appearance: Off White to White granules
- Ionic nature: Anionic
- pH of 1% solution: 13 +/- 1
- Miscibility: Soluble in water
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Compatibility: Compatible with anionic and nonionic products
Stability: Stable to dilute alkalies and unstable to dilute acids

**Application**

For Soft flow machine:

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1. **Recipe for RFD fabric (Ready for Dyeing fabric):**
   Univ-AIO: 1.5-2.0%
   Hydrogen peroxide (50%): 2-2.5%
   Temperature: 95-110 deg.C
   Time: 45-15 min

2. **Recipe for Full white fabric:**
   Univ-AIO: 2.5-3.5%
   Hydrogen peroxide (50%): 6.0-8.0%
   Temperature: 95-110 deg.C
   Time: 75-30 min

Note: For high GSM fabric, 0.1% Saracrease-HG (Conc) is recommended.

**Instructions For Dilution**

Univ-AIO to be used as is

**Precautions**

Storage: Store in cool, ventilated shed away from heat and direct sunlight. Storage temperature should not exceed 35 deg.C. Close lids firmly to avoid contact with air and moisture.

Shelf Life: 9 months from the date of manufacturing, if stored under controlled conditions.

[The above information is given in good faith and is without warranty] [Prod.Code:PU015 | Last Upd. On: 04/05/18] [MOLL]