



aalfa
dyes & chemicals

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Technical Information

AALFA PDR

PRODUCT INFORMATION

Aalfa PDR is a polymeric compound. It is recommended in reactive dyeing by exhaust method. In case of reactive dyes which are having low solubility in presence of salt and alkali and when liquor ratio is low there could be precipitation of dyes during the dyeing, leading to poor colour yield as well as precipitation of dyes on substrate and machine. Addition of aalfa PDR overcomes this problem due to its excellent dispersing action. Calcium and Magnesium impurities in the dye bath could also lead to precipitation of dyes as well as poor washing off of hydrolysed dyes at the end of dyeing. Due to its chelating action, It prevents such precipitation and also helps in easy removal of hydrolysed reactive dyes at the end of dyeing operation. It is also recommended as a washing off agent for reactive dyes in batch operation as well as in continuous operation.

KEY FEATURES & BENEFITS

Key Features

Readily soluble in water

Preferential sequestering action on Calcium.

Good dispersing action.

Does not complex with Dyes tuffs.

Benefits

Special equipment for dissolution not required

Prevents precipitation of reactive dyes in presence of Calcium.

Good dye bath conditioner for package dyeing.

Colour yield or tone not affected.

GENERAL CHARACTERISTICS

Physical appearance : Colorless Liquid

Ionic nature : Anionic

pH of 1% solution : 9 + /-1

Miscibility : Soluble in water after soaking

Compatibility : Compatible with nonionic and anionic products.

Stability : Stable to dilute acids & dilute alkalies

APPLICATION

1. Exhaust Dyeing of reactivities

0.2-0.3% aalfa PDR is added in the bath before addition of dyestuffs or chemicals. Quantity of aalfa PDR would depend upon liquor ratio, quality of process water, quality of salt and efficiency of scouring operation as well as concentration and solubility of the dyestuffs used in the recipe.

2. Washing off of Reactive Dyes by Batch Operation

0.3-0.5 g/l aalfa PDR

pH adjusted to 7, Residual salt concentration should be less than 2 g/l before soaping.

Carry out soaping at 85-95 deg.C for 10-30 min., hot wash, cold wash, neutralise.

Repeat soaping in fresh bath for dark and problematic shades. Carry out fixation for dark and problematic shades.

3. Soaping of reactivities on continuous soaper

0.3-1 g/l aalfa PDR

at 95-98 deg.C, pH 7-7.5

4. Development of vat dyes

0.3-0.5 g/l aalfa PDR

in development bath with caustic & hydrosone on continuous range.

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 : 6 months from the date of manufacturing, if stored under Controlled conditions.

(The above information is in good faith and without warranty)