



**aalfa**  
**dyes & chemicals**

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### Technical Information

## **AALFA SOAP**

### PRODUCT INFORMATION

Aalfasoap is a dyebath conditioner and washing off agent, specially recommended for dyeing of reactive dyes by exhaust method, particularly for reactive dyes which are having low solubility in presence of salt and alkali. Calcium and Magnesium impurities in the dyebath can also lead to poor washing off of hydrolysed dyes at the end of dyeing. Due to its chelating action aalfasoap prevents such precipitation and also helps in easy removal of hydrolysed reactive dyes at the end of dyeing operation.

### KEY FEATURES & BENEFITS

#### **Key Features**

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#### **Benefits**

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Preferential Sequestering  
action on calcium

Prevents precipitation of reactive dyes in presence  
of calcium

Good dispersing action.

Good dyebath conditioner for package dyeing.

Does not complex with dyestuffs

Colour yield or tone not affected.

### GENERAL CHARACTERISTICS

Physical appearance : Colourless Liquid

Ionic nature : Anionic

pH of 1% solution : 8 + / - 1

Miscibility : Miscible in water

Compatibility : Compatible with nonionic & anionic Products.

Stability : Stable to dilute acids, dilute alkalies and hard water.

## **APPLICATION**

1. Exhaust Dyeing of Cotton Hosiery and fabric on Soft Flow Machine (MLR 1:7-1:12)  
or cotton fabric on jiggers (MLR 1:3)

2-4 g/l aalfasoap is added in the bath before addition of dyestuff or chemicals.  
Quantity of aalfasoap would depend upon liquer ratio, quality of process water, quality of salt and efficiency of scouring operation as well as concentration and solubility of the dye stuff used in the receipe.

2. Dyeing of cotton Yarn on Package Dyeing Machine (MLR 1:8 -1:12)  
2-4 g/l aalfasoap is added in the bath before addition of dyestuff in chemicals.

3. Washing off of Reactive Dyes by Batch Operation (MLR 1: 5 -1:15)  
3-6 g/l Gamasoap  
PH adjusted to 7 and residual salt concentration should be less than 2 g/l.  
Carry out soaping at 85-95 deg.c for 20-30 minutes,hot wash, cold wash, neutralise.  
Carry out fixation if required.

## **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.