

Sarex Chemicals

(A Divn. Of Saraf Chemicals Pvt. Ltd.)

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PRODUCT LITERATURE

DYEWELL-002 (CONC)

Product Information

Dyewell-002 (Conc) is a levelling agent with good diffusion property for high temperature polyester dyeing. Dyewell-002 (Conc) accelerates the diffusion of disperse dyestuffs into the polyester fabric and hence enables a good dyestuff pick-up with level dyeing.

Key Features & Benefits

Key Features

Dyeing accelerator with
diffusion properties

Low foaming

Benefits

- Level dyeing with good dye pick up

- Suitable for jet and soft flow dyeing

General Characteristics

Physical appearance : Light yellow clear to hazy viscous liquid

Ionic nature : Nonionic

pH of 1% solution : 7 +/- 1

Miscibility : Miscible with water

Compatibility : Compatible with cationic, anionic and nonionic products

Stability : Stable to dilute acids and dilute alkalies

Application

1. DYEING POLYESTER IN JET SOFTFLOW AND YARN DYEING MACHINES:

Recipe :

Dyestuff - As per recipe

Dyewell-002 (conc)* - 0.25% light shade, 0.35% medium shade, 0.4% Dark shade

Saragen-SO : 0.3% (Dispersing agent)

Acetic acid : maintain pH 3.5 to 4

*Dilute Dyewell-002 (Conc) with sufficient water in a bucket mix well
then add in the machine at 70*c

Note:- For Dark shades containing blue disperse dye use Dyewell-002 (Conc) 0.6%

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2. LEVELLING OF UNEVEN DYEING:

*Dyewell-002 (Conc) : 0.75%
Saragen-SO : 0.5%
Acetic acid : pH 3.5 to 4

*Dilute Dyewell-002 (Conc) with sufficient water in a bucket mix well and then add into machine at 70*c

Then rise temp to 135*c at heating rate 1*c/min.

Hold the temperature for 60 mins. Cool the machine to 80*c. Drain the bath.

High temperature drain not recommended for levelling of uneven dyeing.

Instructions to make lower concentration of Dyewell-002 (Conc)

Take required quantity of Dyewell-002 (Conc) to this add 2% Butyl Diglycol Ether (BDG and mix it.

Then take 50% of total water quantity (Hardness less than 50 ppm and TDS less than 150 ppm). To this add above mixture of Dyewell-002 Conc + BDG with slow stirring -- 50 to 100rpm. After complete addition, continue stirring for 10 mins.

Then finally add balance water with slow stirring for 15 mins.

PRESERVATION :-

It is recommended to add suitable preservative like 0.1% bronopol to avoid fungal or bacterial growth.

EXAMPLE :- To make 100kgs of Dyewell-002 with solid around 50%

Take 50 kgs of Dyewell-002 (Conc). Mix it with 2 kgs of BDG.

Take 100 kg drum. Add 24 kg water.

Keep this drum under stirrer.

Start stirrer with 50 to 100 rpm.

Add above mixture slowly with continuous stirring in around 10 mins time.

Then continue stirring for 10 mins. After that add balance 24 kg water and continue stirring for another 15 mins.

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]

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