



# Sarex Chemicals

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

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## PRODUCT LITERATURE

### CATFIX-511

#### Product Information

Catfix-511 is a special cationising agent developed to improve the exhaustion of pigment on cellulosic and cellulosic rich blends. Catfix-511 can also be used for the fixation of indigo and sulphur dyes. It can also be used in pre-treatment of substrate in pigment inkjet printing. Novel effects can be obtained on garments by localised application of Catfix-511, as it has good affinity for anionic dyes.

#### Key Features & Benefits

##### Key Features

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Low molecular weight product

High cationic charge density product

Wide pH range

Very good affinity for pigment

One step process for lighter shades

Formaldehyde free

##### Benefits

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Uniform deposition of Catfix-511

- High exhaustion rate  
- Performance of 1% Catfix-511 is better than conventional product

Applicable at pH 5-10

Less bleeding of pigment during subsequent softening /biopolishing process

- No/less quantity of binder require  
- Saving in energy and time

Suitable for Oekotex and baby wear

#### General Characteristics

Physical appearance : Colourless to pale yellow clear to hazy liquid

Ionic nature : Cationic

pH of 1% solution : 4 +/- 1

Miscibility : Miscible with water

Compatibility : Compatible with cationic and nonionic products

Stability : Stable to dilute acids and dilute alkalies



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#### Application

The fabric to be cationized should be free from anionic impurities (\* see below)

\* Process sequence

1. Treat substrate with below mentioned dosages of Catfix-511 at 50 deg.C for 20 mins.

Pigment depth	Catfix-511 to be taken
4%	1-1.5%
4-6%	1.5-2.0%
6-9%	2-2.5%

2. Dye the Catfix-511 treated fabric with pigment at 60 deg.C for 30 mins.and Drain

3. After pigment dyeing, treat the fabric at 50 deg.C with binder for 20 mins.  
[ Take binder as per depth of shade ]

Precautionary measures

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Treat the fabric with cationic agent namely 0.5 g/l Fixanol(Conc). or 1 g/l Saradye-FN to achieve uniform or even dyeing.

#### 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 : 8 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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