



# 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

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

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 yellow transparent to hazy viscous liquid

Ionic nature : Cationic

pH of 1% solution : 5 +/- 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 : 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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