



# Sarex Chemicals

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

501 Waterford, C Wing, C.D.Barfiwala Marg(Juhu Lane), Andheri(W),Mumbai 400 058. INDIA

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## PRODUCT LITERATURE

### ENVICARE-SC

#### Product Information

Envicare-SC is a clay-based, inorganic formulation for continuous pre-treatment of cellulosic fabric & its blends. Since it is obtained from 'Mother Earth' the product is totally eco-friendly, and does not increase the COD/BOD values in the effluent as compared to that conventional process.

It is single auxiliary to be used in bleach bath that acts as a detergent, sequestrant, peroxide stabilizer and lubricant. It can be applied on package dyeing and soft flow/overflow machines. It does not have a Cloud Point, hence can be applied over a wide range of temperatures (from 30'C to 130'C). It is very useful for the pre-treatment of Viscose and other delicate fibers like Bamboo and Linen, where the bleaching can be done at lower pH value of 9.5 - 10, and without an acid pre-wash. Full whites can be obtained without any demineralization step, prior to optical whitening. In dark shades on Cotton Knits, there is a possibility of scour-dye operation, without draining of the bath.

Regular use of Envicare-SC keeps machines clean and free from scales & impurities that accumulate over a period of time with use of surfactants. It does not have any negative effect on RO plants or micro-filtration of the effluent. In fact, regular usage helps to indirectly lower the COD/BOD level in the effluent of a dyehouse by 30-40%, as it continues to adsorb the impurities coming from other streams in the effluent treatment plant of the mill.

#### Key Features & Benefits

##### Key Features

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Clay based product

All in one

Low foaming

Cleaning property

##### Benefits

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Eco friendly, low BOD/COD

Wetting cum peroxide stabilizer and lubricating agent and achieves excellent whiteness with brightness.

Can be used as machine cleaning agent

Suitable for soft flow, jet dyeing and package dyeing machine

Bright and clean surface fabric especially on full white



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#### General Characteristics

Physical appearance : Offwhite to creamish pourbale paste  
Ionic nature : Anionic  
pH of 1% solution : 9 +/- 1  
Miscibility : Miscible with water  
Compatibility : Compatible with anionic and nonionic products  
Stability : Stable to dilute acids and dilute alkalies

#### Application

Envicare-SC can be used for pre-bleaching, prior to dyeing and full bleaching for whites using optical brightening agents.

Bleaching for full whiteness:

Wet out the greige fabric at 20 - 40 deg.C with  
1.5-2.0 g/l Envicare-SC  
Run for 5 to 10 min., then add:  
3.0-3.5 g/l Caustic Soda 100%  
8.0-9.0 g/l Hydrogen Peroxide (50%)  
0.3-0.5 g/l Sarastabil-MRS

X % bleach-resistant optical brightening agent

Raise temp. to 95-110 deg.C,  
Bleach for 30-90 min. depending upon final temp.

Rinse hot and cold wash, neutralisation to ensure optimum degree of whiteness. If required, optical brightener can be added in the last rinse prior to softening.

Pre-Bleach before dyeing:

1.2-1.5 g/l Envicare-SC  
2.0-2.5 g/l Caustic Soda 100%  
2.0-2.5 g/l Hydrogen Peroxide 50%  
Bleach for 30-45 min. at 95-98 deg.C

Remarks : If rewetting is important then add 0.2-0.3 g/l Celldet-R

As a machine cleaning agent:



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1.0 - 2.0 g/l Envicare-SC  
Treat for 20-30 min. at 80-90 deg.C, Rinse

Note:

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Envicare-SC is a clay based product it has tendency to separate so, stir well before use.

#### 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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