



Sarex Chemicals

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

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PRODUCT LITERATURE

SARAWHITE (CONC) .

Product Information

Sarawhite (Conc).is a high affinity optical brightener for cellulosic fibres and their blends. It can also be applied for wool, silk and nylon. Due to it's high affinity, Sarawhite (Conc).is recommended by exhaust application only. Sarawhite (Conc).is stable to peroxide as well as reductive bleach liquors hence, combined bleaching and optical brightening can be carried out.

Key Features & Benefits

Key Features

Neutral white

Concentrated form

High affinity

Good stability to peroxide and reducing agent

Benefits

Required tone easily adjusted

Lower dosage required and economical

Excellent exhaustion

Combined bleaching and optical brightening possible

General Characteristics

Physical appearance : Greenish yellow powder

Ionic nature : Anionic

pH of 1% solution : 10 +/- 1

Miscibility : Miscible with water

Compatibility : Compatible with anionic and nonionic products

Stability : Stable to dilute acids and dilute alkalies

Application

Exhaust process

Cotton:

Dosage* : 0.1-0.15%

Bath pH : 6-12

Bath Temp. : 60-110 deg.C, 20-30 mins.



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Viscose & Modal:

Dosage* : 0.1-0.15%
Glauber's salt : 3-5 g/l
Bath Temp. : 60-80 deg.C, 20-30 mins.

Wool, Silk & Nylon:

Dosage* : 0.1-0.15%
Sodium hydrosulphite : 2-4 g/l
Bath Temp. : 50 deg.C, 45-60 mins.

* Dosages recommended are based on the concentrated product's strength.

Dosages of diluted product to be calculated on the basis of solid content.

STABILITY & FASTNESS PROPERTIES:

Stability to:	Remarks
Peroxide bleach	Stable
Reduction bleach (hydro sulphite based)	Stable
Chlorite bleach	Unstable
Chlorine bleach	Unstable
Hard water, ppm (Ca)	142
pH	7-12

Fastness properties	Methods	Change in degree of whiteness
Light fastness	ISO 105-B02	3 - 4
Wash fastness, 60 deg.C	ISO 105-C06 C1	5
Wash fastness, 90 deg.C	ISO 105-C06 E1	5
Dry heat fixation, 180 deg.C	ISO 105-P01	5
Dry heat fixation, 210 deg.C	ISO 105-P01	-
Perspiration, acidic	ISO 105-E04	5
Perspiration, alkaline	ISO 105-E04	5
Dry cleaning	---	5
Chlorine bleach	---	4
Chlorite bleach	---	1



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Instructions For Dilution

Procedure to prepare 20% diluted product of 100% Sarawhite (Conc).

- Take 55 parts of water (60 deg.C)
- To this, add 25 parts of urea with constant stirring
- Then slowly add 20 parts of Sarawhite (Conc).with constant stirring
- Continue stirring till Sarawhite (Conc).is completely dissolved
- Maintain temperature (i.e. 60 deg.C) during stirring

Preservation: It is recommended to add 0.1% Bronopol (2-Bromo, 2-nitropropane, 1,3-diol) or Methyl Paraben (methyl para hydroxy benzoate) as an antimicrobial agent to avoid fungal / microbial growth.

Note:

- pH of diluted solution should be between 9-10 and if not, adjust with caustic.
- Un-dissolved particles if any can be filtered off
- Diluted solution is stable for about 3 months.

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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