



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

Phone +91 22 42184218 Fax +91 22 42184350

Email tcmtkg@sarex.com URL www.sarex.com

PRODUCT LITERATURE

SARAQUEST-W (CONC)

Product Information

Saraquest-W (Conc) is high power sequestering agent in powder form specially developed for scouring and bleaching of cotton and polyester/cellulosic blends.

Saraquest-W (Conc) has a high chelating action for calcium, magnesium and iron under alkaline conditions and at high temperature, thereby it prevents precipitation of insoluble hydroxides and carbonates which are formed due to alkali used in scouring and bleaching. It also chelates iron impurities preventing catalytic damage and pin-hole marks during peroxide bleaching.

Key Features & Benefits

Key Features

High chelation value for calcium and iron

Very Good sequestering action over wide pH & temperature range

Safe cellulosic bleaching

Benefits

Suitable for processing with hard water

Readily soluble and auto dispensable

Reduces the degradation of fibre

General Characteristics

Physical appearance : White powder

Ionic nature : Nonionic

pH of 1% solution : 6 +/- 1

Miscibility : Soluble in water

Compatibilty : Compatible with anionic and nonionic products

Stability : Stable to dilute acids, dilute alkalies and hard water

Application

1. In scouring, bleaching as well as combined scouring and bleaching of cotton and blends by batch process:



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0.25-0.5 g/l Saraquest-W (Conc) can be added with usual recipe to prevent white deposits as well as pin-hole marks due to iron. When Saraquest-W (Conc) is added in the recipe, concentration of organic stabiliser can be reduced due to stabilising action of Saraquest-W (Conc).

2. For dyeing of reactivities, vats & sulphur dyes upto 200-250 ppm hard water, 0.25-0.4 g/l Saraquest-W (Conc) can be added before addition of dyebath conditioner/levelling agent to soften the water.

Pretrials are recommended to arrive at required concentration when Saraquest-W (Conc) is necessary during dyeing.

3. For combined scouring and bleaching on continuous bleaching range 0.3-0.5 gm/kg Saraquest-W (Conc) is recommended
4. In bioscouring of cotton
0.2-0.3% Saraquest-W (Conc) is recommended to prevent precipitation of pectin residues at the end of bioscouring and before peroxide bleaching.

Note:

Please note that for dosing, 10% dilution of Saraquest-W (Conc) is recommended instead of neat solution.

Instructions For Dilution

Procedure to prepare 10% Saraquest-W (Conc)

- Take 10 parts of Saraquest-W (Conc)
- To this, add 90 parts of DM water with constant stirring at 300-400 rpm using normal/turbo stirrer. Stir till clear solution is obtained.

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: Dilution is unstable above 10% solids on standing.

It is advisable to utilize the diluted product within 2 months. Stir well before use.



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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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