



PRODUCT LITERATURE

SARAOUEST-W (CONC)

Product Information

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

Saraquest-W (Conc) has a high chelating action for calcium, magnesium and iron under alkaline conditions and high temperature. Thereby it prevents precipitation of insoluble hydroxides and carbonates which are formed due to alkali used in scouring and bleaching but 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.

Good sequestering
action over wide pH
and temperature range.

Benefits

Suitable for processing with
hard water.

Suitable for scouring, bleaching
and washing off.

General Characteristics

Physical appearance	: White powder
Ionic nature	: Anionic
pH of 1% solution	: 5 +/- 1
Miscibility	: Miscible with water in all proportion
Compatibility	: Compatible 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:

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



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stabilising action of Saraquest-W (Conc).

2. For dyeing of reactives, vats & sulphur dyes upto 200-250 ppm hard water, 0.25 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

0.5 gm/kg Saraquest-W (Conc) is recommended

4. In bioscouring of cotton

0.3% Saraquest-W (Conc) is recommended to prevent precipitation of pectin residues at the end of bioscouring and before peroxide bleaching. Quantity of peroxide stabiliser can be reduced when Saraquest-W (Conc) is added before bleaching.

Note: Please note that for dosing, 25% dilution of Saraquest-W (Conc) is recommended instead of neat solution.

Instructions For Dilution

Procedure to make 25% of Saraquest-W (Conc)

Take 25 parts of Saraquest W Conc and add to this add 75 parts of boiled DM Water with continuous stirring at 300-400 rpm using normal/turbo stirrer. Maintain the temperature at 60-70 deg.c throughout the stirring and stir till clear solution is obtained. Cool down to room temperature with constant stirring.

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 formation.



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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.