



# Sarex Chemicals

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

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## PRODUCT LITERATURE

### CHELATIN-SA

#### Product Information

Chelatin-SA is a phosphorous free, highly efficient sequestering suitable for all stages in wet processing and dyeing of cellulosic and its blends. It can also be used as a stabilizer in Hydrogen Peroxide bleaching. It has excellent Ca & Fe Chelation efficiency values even at pH values of 9-11 hence suitable for scouring, bleaching and washing off.

Chelatin-SA is a phosphorous free and ecofriendly sequestering agent with very good biodegradability. It does not increase the COD/BOD values in the effluent. It shows no de-metallizing effect for heavy metal containing dyes, if used in dyebath. It is suitable for both batch as well as continuous process. It also possess very good dispersing property.

#### Key Features & Benefits

##### Key Features

Eco-friendly

High chelation value for calcium and iron, even at pH values of 9-11

All in one product

Biodegradable

Versatile

##### Benefits

Caustic dosage in bleaching can be reduced by 1-15% leading to lower TDS

Suitable for scouring, bleaching and as a dyebath conditioner

Single product in bleach bath hence can eliminate use of stabilizer

No increase in COD/BOD values

Suitable for exhaust and continuous application

#### General Characteristics

Physical appearance : Colourless to yellow to brown viscous liquid

Ionic nature : Anionic

pH of 1% solution : 9 +/- 1

Miscibility : Miscible with water

Stability : Stable to dilute acids & dilute alkalies



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Compatibility : Compatible with nonionic to anionic products and not compatible with cationic products

#### Application

Pre-treatment:

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Celldet R	-	0.35-0.5%
Chelatin SA	-	0.4-0.5%
Caustic soda flakes	-	1.25-1.5%
H2O2 (50% (v/v))	-	2-2.5%

Treat at 98 deg. C for 45 mins or 110 deg. C for 20-25 mins.

Dyeing:

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Exhaust	- Chelatin SA	- 0.5-1.0 gpl
Continous	- Chelatin SA	- 3.0-5.0 gpl

#### 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]  
[ Prod.Code : L003463.docx | Last Upd. On : 24/12/19 ] [PP]

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