



# Sarex Chemicals

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

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## PRODUCT LITERATURE

### YARNSOFT-FRS (CONC)

#### Product Information

Yarnsoft-FRS (Conc) is a concentrated lubricating agent for finishing of cotton, polyester filament, spun polyester and polyester / cellulosic yarn. Yarnsoft-FRS (Conc) imparts very good lubricity and gliding properties to the pretreated yarns which exhibit very low friction values. Yarnsoft-FRS (Conc) also imparts antistatic properties. Yarnsoft-FRS (Conc) is stable to heat and shows very low emission particularly for automotive textiles.

#### Key Features & Benefits

##### Key Features

Good lubricity

Imparts hydrophilicity

Concentrated Product

Versatile

##### Benefits

Excellent gliding properties with low friction coefficient

Retains more moisture

Economical

Suitable for cotton, polyester and blends

#### General Characteristics

Physical appearance : White paste

Ionic nature : Non-ionic

pH of 1% solution : 5 +/- 1

Miscibility : Dispersible with water

Compatibility : Compatible with cationic, anionic and non-ionic products

Stability : Stable to dilute acids and dilute alkalies

#### Application

Exhaust process:

Dosage\* : 0.3-1.0%

Bath pH : 5.0-6.0

Bath Temp. : 30-60 deg.C

Time : 10-20 mins.



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We recommend in-out cycle of 3 mins. and reverse cycle of 5 mins. for uniform absorption within the package.

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

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

#### Instructions For Dilution

Procedure to prepare 20% diluted product of 70% Yarnsoft-FRS (Conc)

##### Method-I

- Take 71.5 part water in vessel
- To it add 28.5 parts of product slowly under stirring at 2000-3000 rpm using turbo stirrer.
- Continue stirring for 20-30 min. at 2000-3000 rpm till homogeneous product is formed.

##### Method-II

- Take 28.5 Kg products in vessel.
- To it add 71.5 Kg water under stirring at 150-200 rpm
- Continue stirring for 20-30 min. till homogeneous product is formed

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:

- Un-dissolved particles if any can be filtered off (filter through nylon filter cloth of 200-250 mesh size).
- Diluted product should not be stored for longer time.
- Stir well before use, as diluted product has tendency to separate.
- It is advisable to utilize the diluted product within 2 months.



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### YARNSOFT-FRS (CONC)

#### 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 : 12 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 : L008474.docx | Last Upd. On : 29/08/25 ] [NPA]

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