



# Sarex Chemicals

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

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## PRODUCT LITERATURE

### CELLEDET-R (CONC)

#### Product Information

Celldet-R (Conc) is an ultra low foaming, solvent free, APEO free wetting cum detergent for cellulosic, other natural and synthetic fibers and their blends. Due to its ultra low foaming characteristics, the product is suitable for jet dyeing machine even at low liquor ratio. The product is also suitable for high temperature scouring, combined scouring and bleaching and washing-off agent. Celldet-R (Conc) confers good rewetting properties to the fabric scoured with it.

#### Key Features & Benefits

##### Key Features

Ultra low foaming, wetting agent and detergent

Powerful emulsifying action

Stable to high temperature

Easily dilutable

##### Benefits

Suitable for soft flow and jet dyeing machines

Excellent removal of fats, waxes and oils thereby ensuring uniform absorbency

Suitable for high temperature scouring, bleaching and High temperature combined scouring and bleaching.

Can be diluted and used

#### General Characteristics

Physical appearance : Colourless to pale yellow Clear to slight hazy liquid

Ionic nature : Non-ionic

pH of 1% solution : 7 +/- 1

Miscibility : Miscible with water

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

Stability : Stable to dilute acids and dilute alkalies

#### Application

##### 1. Combined Scouring and Bleaching

Celldet-R (Conc) : 0.3-0.5%

Caustic soda flakes : 2-3%



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H2O2 50% : 3-8%  
Saraquest 2UD : 0.5-1% (optional)  
Sarastabil-MRS : 0.3-1.2%  
Saracrease (Conc) : 1%  
(1:60 diluted)  
Temperature : 98 deg.C, 45-60 min OR  
: 110 deg.C, 15-30 min.  
MLR : 1:4 to 1:10

#### 2. For Washing-off process (After dyeing)

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- Cold wash for 10 min
  - Warm wash at 50°C for 10 mins
  - Adjust the pH 6.0-7.0 with Acetic acid
  - Raise temperature to 70°C run for 20 min
  - Add Celldet-R (Conc) : 0.2-0.4% run at 95°C for 20 min
  - Add Celldet-R (Conc) : 0.2-0.4% run at 95°C for 20 min (for dark and extra dark shades)
  - Hot wash at 80°C for 10 min
  - Cold wash for 10 min : (twice)

#### Note:

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- Lower concentration is for RFD, while higher concentration is for full white fabrics.
  - Fill water in the machine. Add Celldet-R (Conc) followed by addition of Saracrease Conc. Load fabric at 50 rpm speed (30% rpm of original rpm of running batch). Run for 10 minutes (3 cycles) and then add bleaching auxiliaries.

### Instructions For Dilution

Procedure to prepare 45% dilution of Celldet-R (Conc)

1. Take 46 parts of product
2. To this gradually add 54 parts of distilled water with constant stirring
3. Continue stirring at 300-400 rpm for 30-45 min to obtain homogenous dilution



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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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