



# Sarex Chemicals

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

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## PRODUCT LITERATURE

### KETOPREP-LA (CONC)

#### Product Information

Ketoprep-LA (Conc) is a novel, all in one pretreatment product. It is a biodegradable product and require low alkali during bleaching of cellulosic substrate. Bleaching with Ketoprep-LA (Conc) exhibits very good softness, absorbency, rewetting and whiteness than the conventional bleached fabric. Bleached fabrics confers low strength loss and weight loss as concentration of alkali used in bleaching is low. Yarn bleached with Ketoprep-LA (Conc) decreases the coefficient of friction, improves strength and reduces hairiness to a certain extent.

#### Key Features & Benefits

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Low alkali short time  
bleaching

Eco-friendly

##### Benefits

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- High degree of whiteness and low strength loss  
- Saves time, water and energy

- Low BOD/COD and TDS in effluent bath  
- Readily biodegradable

#### General Characteristics

Physical appearance : Blue clear liquid

Ionic nature : Anionic

pH of 1% solution : 4 +/-1

Miscibility : Miscible with water

Compatibility : Compatible with anionic and nonionic products

Stability : Stable to dilute acids and dilute alkalies

#### Application

##### 1. Recipe for RFD (Ready for dyeing) (Atmospheric bleaching)

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Ketoprep-LA (Conc) : 0.2-0.3%

Caustic flakes : 1.5-1.75%

Hydrogen Peroxide (50% v/v) : 2-2.5%

Temperature : 95-98 deg.C, 30-45 min.



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#### 2. Recipe for full white (Atmospheric bleaching)

Saraquest-W (Conc)	: 0.1% (Optional)
Ketoprep-LA (Conc)	: 0.4-0.5%
Caustic flakes	: 2-2.5%
Hydrogen Peroxide (50% v/v)	: 6.0-8.0%
Temperature	: 95-98 deg.C, 60 min.

To achieve better whiteness index, optical brightening agent (OBA) to be added in hot wash

#### 3. Recipe for high temperature bleaching (110 deg.C)

	<u>Ready for Dyeing</u>	<u>Full White</u>
Ketoprep-LA (Conc)	: 0.3-0.4%	0.4-0.5%
Caustic flakes	: 1-1.25%	1.25-1.75%
Hydrogen peroxide (50% v/v)	: 1-1.25%	5-6%
Temperature	: 110 deg.C	110 deg.C
Time	: 15-20 min.	30-40 min.

### Instructions For Dilution

Procedure to prepare 20% diluted product from Ketoprep-LA(Conc)

- Take 694 kg of DM water in vessel
- To this, gradually add 300 kg of Ketoprep-LA(Conc)
- Mix well at 50-60 rpm to get homogenous product
- Adjust the pH to 5.0-5.2 of this homogenous product with caustic (30%) [Approximate 5-6 kg caustic lye is required]
- Mix well again to obtain homogenous product

Note:

1. Caustic should be added after mixing of Ketoprep-LA(Conc)
2. Caustic should not be added at once. It should be added in intervals so that pH will be in control
3. pH should be checked after every interval of caustic addition

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

### Precautions

Storage : Store in cool, ventilated shed away from heat and direct sunlight. Storage temperature



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### KETOPREP-LA (CONC)

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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