



# Sarex Chemicals

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

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## PRODUCT LITERATURE

### ITAWASH-LT (CONC)

#### Product Information

Itawash-LT (Conc) is a concentrated low temperature washing-off agent for Reactive dyes. Itawash-LT (Conc) reduces time, energy and water against conventionally used washing-off agent. Itawash-LT (Conc) improves the fastness properties of the dyed substrate.

#### Key Features & Benefits

##### Key Features

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Low temperature  
washing-off agent

Single bath washing  
got dark shades

##### Benefits

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Works at 40-45 deg.C

Reduction in time, energy, water  
and effluent load

#### General Characteristics

Physical appearance : Colourless viscous liquid  
Ionic nature : Cationic  
pH of 1% solution : 5 +/- 1  
Miscibility : Miscible with water  
Compatibility : Compatible with cationic and nonionic products  
Stability : Stable in dilute acid and dilute alkalies

#### Application

Washing at low temperature:  
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Itawash-LT (Conc) : 0.8-1 %  
Bath pH : 4.5-5.3  
Temp. : 40-45 deg.C  
Time : 20 min

[I] Process sequence for Batchwise operation:  
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After dyebath drain

1. Cold Wash for 10 min. and drain
2. Warm Wash at 50 deg.C for 10 min. and drain



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3. Neutralize with acetic acid. Adjust the bath pH 5.0-6.0. Run for 5 min. Then raise temp to 60 deg.C, run for 10 min. and drain.
4. Warm Wash with 0.5% Nonionic wetting agent at 60 deg.C for 10 min. and drain
5. Cold Wash for 10 min. and drain
6. Adjust the bath pH 5.0-6.0, run 5 min, check pH, then add 0.8-1% Itawash-LT (Conc) (dosing for 20 min) maintain temp. to 40-45 deg.C, continue for 20-30 min and then drain.

Note:

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\* Single bath washing recommended for dark shades.

\* Double bath washing recommended for orange, bottle green, turquoise and royal blue shades. Dosage of Itawash-LT (Conc) (18%) will be 2% & 1%.

[II] Process sequence for Continuous operation:

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- 1st chamber - Cold wash
  - 2nd chamber - Cold wash
  - 3rd chamber - Neutralizing with Acetic acid at 60 deg.C
  - 4th chamber - Treatment with 2 ml/kg Nonionic wetting agent at 60 deg.C
  - 5th chamber - Cold wash
  - 6th chamber - Treatment with 0.5 ml/kg Itawash-LT (Conc) at pH 5.0-6.0 at 45 deg.C
  - 7th chamber - Treatment with 1 ml/kg Itawash-LT (Conc) at pH 5.0-6.0 at 45 deg.C
  - 8th chamber - Cold wash

### Instructions For Dilution

Procedure to prepare 18% Itawash-LT (Conc)

- Take 42 parts of Itawash-LT (Conc)
- To this, gradually add 58 parts of DM water
- Stir continuously to get homogenous product

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.

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



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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]  
[ Prod.Code : L009146.docx | Last Upd. On : 04/02/20 ] [MOLL]

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