



Sarex Chemicals

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

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PRODUCT LITERATURE

ITAWASH-LT

Product Information

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

Key Features & Benefits

Key Features	Benefits
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Low temperature washing-off agent	Works at 40-45deg.C
Single bath washing for dark shades	Reduction in time, energy and water

General Characteristics

Physical appearance	: Colourless clear 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 (40-45 deg.C)

Itawash-LT	: 1.5-2 %
Bath pH	: 4.5-5.3
Temp.	: 40-45 deg.C
Time	: 20 min

[I] Process sequence for Batchwise operation:

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 50 deg.C for 10 min. and drain
5. Cold Wash for 10 min. and drain
6. Adjust the bath pH 4.5-5.3, run 5 min, check pH, then add 2% Itawash-LT (dosing for 20 min) maintain temp. to 40-45 deg.C, continue for 20-30 min. and then drain.

Note:

* Single bath washing recommended for dark shades.

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

[II] Process sequence for Continuous operation:

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- 1st chamber - Cold wash
 - 2nd chamber - Treatment with 2 g/l Nonionic wetting agent at 50 deg.C
 - 3rd chamber - Neutralizing with Acetic acid; pH 5.0 - 6.0 at 60 deg.C
 - 4th chamber - Treatment with 2 g/l Nonionic wetting agent at 40-45 deg.C
 - 5th chamber - Cold rinse
 - 6th chamber - Treatment with 2 g/l Itawash-LT at pH 4.5 - 5.3, 40 deg.C
 - 7th chamber - Treatment with 2 g/l Itawash-LT at pH 4.5 - 5.3, 40 deg.C
 - 8th chamber - Cold rinse
 - 9th chamber - Cold rinse

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.



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