

WASHING OFF AGENTS

Cleaner, Faster, Brighter • Gentle on fabric, Tough on residue

- ✓ Enhances washing off efficiency post-dyeing
- ✓ Improves fastness properties
- ✓ Suitable for all dye classes
- ✓ Reduces water and energy consumption

Reactive dyes are widely used for colouring cellulosic textiles due to their strong covalent bonding with fibres, offering excellent colour fastness. However, post-dyeing, fabrics retain unfixed and hydrolysed dyes, which must be effectively removed to achieve optimal fastness. Incomplete washing can result in dye-chemical residues that impair wash durability and cause colour bleeding.

Washing-off agents play a critical role in eliminating these residual dyes, improving wet fastness, and ensuring fabric quality. QUEST's range of washing-off agents is designed for superior performance, eco-friendly formulations, and cost efficiency—supporting sustainable processing while reducing water, energy, and time consumption.

Questwash AD Premium



CHEMISTRY

Acrylic Co-polymer



FEATURES

- Prevents hard water staining
- Inhibits calcium and magnesium salt build-up
- Offers selective sequestering to protect dye quality
- Enhances Levelling
- Removes hydrolysed dyes to boost wash fastness
- Phosphorus-free
- ETP-friendly formulation
- Reduces time, energy, water use, and effluent costs



APPLICATIONS & OTHER USES

Application levels depend on depth of shade, dyestuff properties, wash-off efficiency.

Normal Range:

0.5-0.75 gpl

OTHER USES:

- Suitable for preparation and peroxide bleaching
- Effective in cotton and wool scouring
- Works as a detergent builder
- STPP replacement in scouring processes
- Useful in reduction clearing baths



TECH. SPECS

- Clear to straw yellow viscous liquid
- 6-8
- Anion

Questwash SRD Conc



CHEMISTRY

Acrylic-saccharidic copolymer



FEATURES

- Low-temperature washing-off agent for reactive-dyed and printed fabrics
- Works effectively at 60-65°C, saving energy and boosting productivity
- Efficiently removes hydrolysed reactive dyes
- Delivers brighter shades during washing-off
- Prevents dye re-deposition, enhancing wash fastness
- Improves crock fastness of dyed fabrics
- Non-foaming formulation



APPLICATIONS & OTHER USES

Application levels depend on depth of shade, dyestuff properties, wash-off efficiency.

Normal Range:

0.5-0.75 gpl

OTHER USES:

- Suitable for dyeing and soaping with reactive dyes
- Compatible with all machine types, continuous or discontinuous, including high-turbulence systems



TECH. SPECS

- Brownish liquid
- 5.5-6.5
- Anionic
- - **To hard water:** Excellent, even at 40°C.
- **To pH variations:** Excellent from slightly acid to highly alkaline
- **To electrolytes:** Excellent even with 60g/ l of Sodium Chloride

Questwash EWO



CHEMISTRY

Modified Reductive acrylate



FEATURES

- Used in dyeing carries a high dispersing power
- It does not sequester the dyestuff metals and it does not retard the exhaustion
- Promotes removal of unfixed reactive dyes during soaping treatment
- Does not contain surfactants and therefore does not generate foam
- Diluted in water in all proportions: stock solutions are stable for several days
- Suitable for print washing



APPLICATIONS & OTHER USES

Application levels depend on depth of shade, dyestuff properties, wash-off efficiency.

Normal Range: 0.5-1.5 gpl



PRECAUTION

It is recommended to dilute the required quantity of Quest Wash EWO in water and the same be dosed into the machine over a period of 5-7 min for effective and level results.



TECH. SPECS

- Colourless to pale yellow liquid
- 6-8
- Anionic

Questwash EWA



CHEMISTRY

Bio based proprietary formulation



FEATURES

- Green technology that lowers carbon footprint
- Reduces overall effluent load
- Cuts down processing time
- Minimizes chemical consumption
- Energy-saving; effective at ambient temperature
- Saves significant water usage
- Readily biodegradable formulation
- Cost-effective solution



APPLICATIONS & OTHER USES

Application levels depend on depth of shade, dyestuff properties, wash-off efficiency.

Normal Range: 1.0-2.0 gpl at 70°C - 75°C
20 mins



TECH. SPECS

- Creamish to yellow hazy pourable liquid
- 6-8
- Non-ionic
- Excellent to hard water



FEATURES

- Suitable for washing off both the reactive and disperse dyes on Polyester/Cotton fibres in one bath
- Improves wet fastness properties
- Eliminates reduction clearing stage thereby shortening the process
- Saves energy and reduces sewage discharge and wastewater COD
- Solvent-free and environmentally friendly
- Low-foaming formulation



APPLICATIONS & OTHER USES

- Suitable for soaping off unfixed reactive dyes and disperse dyes on T/C blends in exhaust processes
- Dosage depends on the type of dyes, dyed depth, fabric structure, fastness required, etc.

Normal Range:

2-3% o.w.f. is recommended

- Recommended soaping process is 85°C for 20min (higher or lower temperature may reduce soaping fastness)



TECH. SPECS

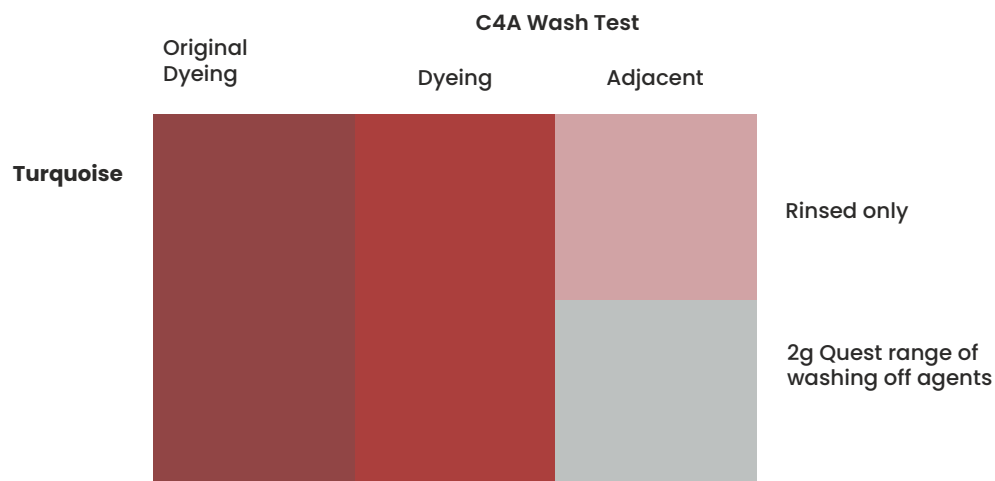
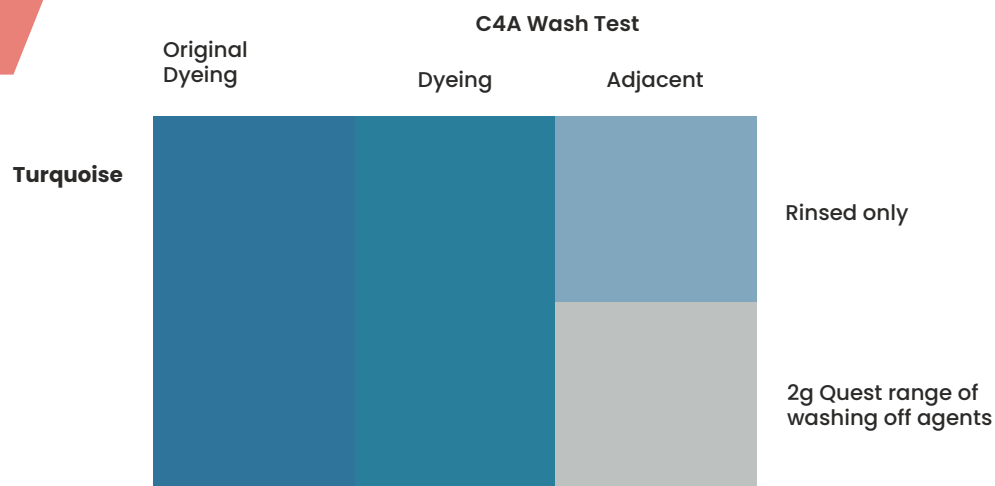
- White to off-white emulsion
- 4-6 (1% solution)
- Anionic
- Resistant to hard water and acids and unstable in alkali conditions
- Compatible with anionic and non-ionic auxiliaries, not compatible with cationic products



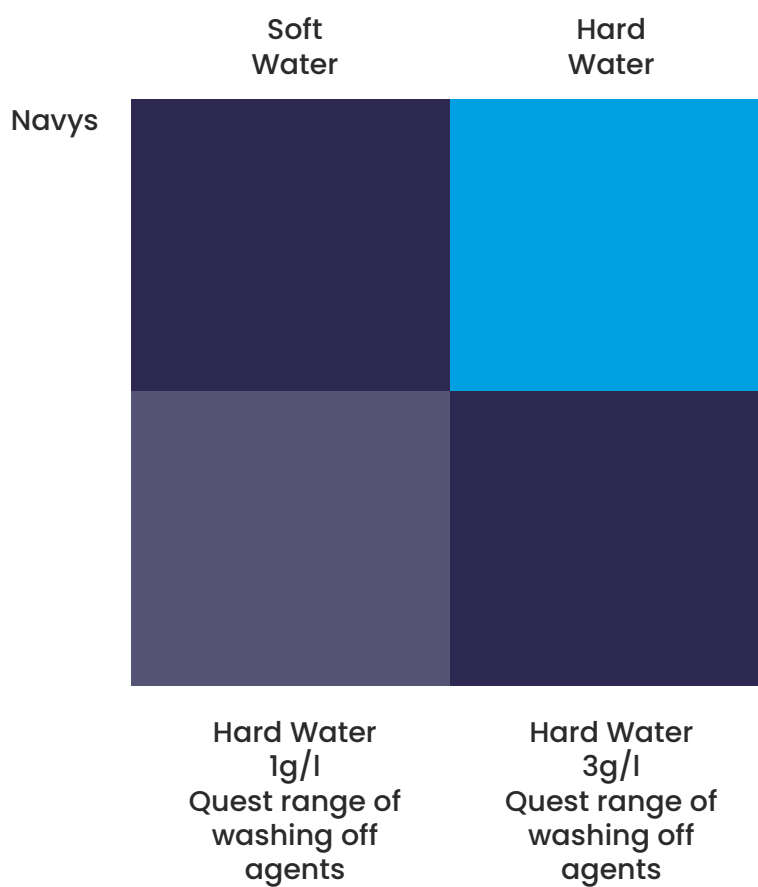
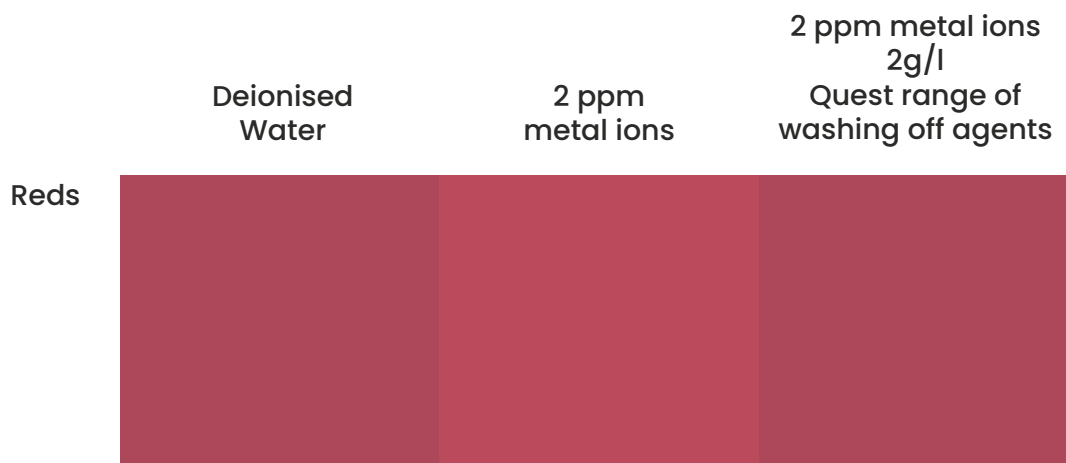
PRECAUTION

- High electrolyte concentration or pH>8 can cause precipitation. One cold wash and a neutralization step is required before soaping with Quest Wash TCW
- Incompatible with cationic products
- Not suitable for elastane containing fabrics

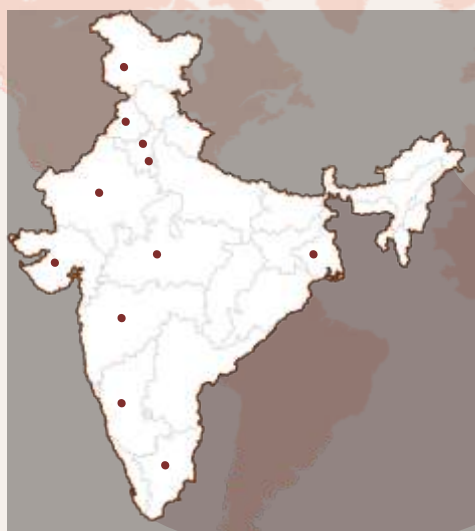
REACTIVE dye wash off



METAL ion sequestration



Our Global Footprint



- Vietnam
- Sri Lanka
- Bangladesh
- Thailand

Disclaimer

The information given herein and otherwise supplied to users is based on our general experience and where applicable, on the results of tests on samples of typical manufacture. However, because of the many factors, which are outside our knowledge and control, which can affect the use of these products, we cannot accept liability for any injury, loss or damage resulting from reliance upon such information.



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