Contribution to Circular Economy

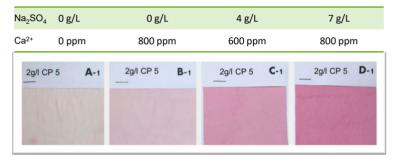
Helping you use recycled water more efficiently

Countries' environmental policy and conservation of water resources has boosted usage of recycled water in textile wet processing. However, high level of salt, hardness, pH and other pollutants must be overcome, before the water becomes usable.

Maximize productivity in the challenging world

Parameter	Typical effluent	BASF solution
Sulphate, (SO ₄) mg/L	300 – 2,200	Cationic soaping polymer
Sodium ion	970 – 2,100	
Total hardness, mg/L	120 - 150	Eco-friendly chelate
рН	6 – 10	Alkaline stable formulation

Reactive dyes soaping using recycled water Impact with big molecular size soaping agent



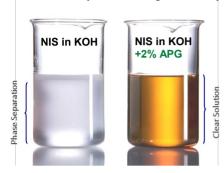
Overcoming high electrolyte content and accumulated water hardness

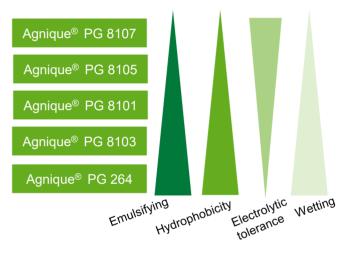
- Sokalan® PA 25, Sokalan® CP 12 S or Sokalan® PA 30 can be used to replace bigger maleic acid and acrylic acid copolymer, for better electrolyte compatibility
- Change soaping agent to cationic polymer Sokalan® HP 56, for assured stable performance under high salt and water hardness content



Solubilizer, alkaline stabilizer in formulation

■ APG (Alkyl Poly-Glycoside surfactants) types from BASF improve alkaline stability of formulation and enhance solubility even at high electrolyte content





 Other hydrotropes, e.g. Emulan[®] EL, Lutensol® AT 25, Lutensol® AT 80, etc.

Removing insoluble contaminants

Surfactant based dispersing polymers that have both hydrophobic and hydrophilic monomers, such as Sokalan® CP 9, Lupasol® PN 80, Agnique® CP 72 L, etc. help remove water insoluble contaminants



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