

GOLDQUEST NS

Sequestrant/dispersant of hardness and iron salts and auxiliary of dyes solubilization.

Fields of Application:

- Enzymatic or oxidative desizing.
- Scouring and bleaching of cellulosic, animal, synthetic fibers and their blends and pre-bleaching of cellulosic and animal fibers.
- Continuous, semi-continuous and discontinuous processes.
- Mercerization bath.
- Dyeing with direct, reactive, vat, sulfur, acids and disperse dyes.
- Soaping after bleaching, dyeing and printing with reactive dyes in equipment with strong bath agitation and continuous washing machines.

Features:

- Goldquest NS disperses the hardness salts, forming a resistant dispersion to equipment with strong bath agitation and in long time processes. It can be used in high temperature polyester dyeing.
- It improves the solubility of dyes that have difficulty to dissolving, improving the color yield.
- It ensures a better levelness and color yield in dyeing with reactive dyes sensitive to hardness.
- It facilitates the hydrolyzed reactive dyes removal in subsequent washes after dyeing and printing.
- It does not present foam formation.
- It protects machinery against incrustations formed from inorganic salt deposits.
- It removes incrustations of dirty machinery with these precipitates.
- The product has good stability if it is stored according to SDS guidelines. The product is sensitive to low temperatures, avoid temperatures below 5°C.
- This product fits the requirements of ZDHC program (Zero Discharge of Hazardous Chemicals).

Physicochemical parameters:

Aspect	Clear brown liquid.
Chemical nature	Alkyl polyglycol ether.
Ionic character	Nonionic.
Solubility (sol. 10% w/w)	Soluble at 25°C, under stirring.
Nonvolatile content (%)	28.5 – 31.5
pH (sol. 10% w/w, 25°C)	6.0 – 7.0
Compatibility	Compatible with anionic and nonionic products. Precipitates with cationic products, however it is recommended previously tests. - Stable in cold alkaline bath (up to 35° Bé NaOH). - Stable in hot alkaline bath (up to 35° Bé NaOH). - Stable in saline bath and stable in acid bath down to pH 1.0

Application stability

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Application:

Enzymatic or oxidative desizing process	0.1 to 1.0 g/l Goldquest NS.
Scouring and pre-bleaching process	0.1 to 1.0 g/l Goldquest NS.
Mercerization bath	0.5 to 1.5 g/l Goldquest NS.
Dyeing with direct and reactive dyes	It is recommended add it in the dyes dissolution and the quantities used in the range of 0.1 up to 1.0 g/l Goldquest NS, calculated based on the total bath volume.
Water hardness correction	0.12 to 0.15 g Goldquest NS for each German degree of hardness.

For data of security, ecological and toxicological, see the Safety Data Sheet (SDS).

Note: Given the variety of substrates and applications processes, the information provided with fidelity should be understood as a guidance tool, therefore we cannot be responsible for any damages resulting from an inappropriate use. The data contained in this technical informative are based on current knowledge and applications of our products performed. Additional information can be obtained from our technical department. Review: 01/10/2018.