

## QUNOX ULTIMA LIQUID

High performance complexing agent for textile processing. It softens treatment baths, removes hardness salts and prevents catalytic damage to the fabric caused by iron compounds.

Features	Advantages
Excellent complexing action on heavy metal ions (like iron)	Prevents catalytic damage (pin hole) of the fabric in bleach bath by Hydrogen peroxide
Superior sequestering of alkaline earth metal ions (calcium and magnesium)	Softens the water in treatment bath, prevents precipitation and deposition on substrate
Compatible with desizing enzymes	Can be added in desizing bath for demineralization of cellulosic fibres without affecting final desizing efficiency
Robust technology	Stable to high temperature at wide pH range (2 - 13)
Suitable for both discontinuous and continuous applications	Versatile in operation
Liquid pumpable product	Easy to handle, suitable for auto dispensing

**General Characteristics**

<b>Chemical Composition</b>	Preparation based on phosphonate compound
<b>Ionic Nature</b>	Anionic
<b>Supplied Form</b>	Colourless to pale yellow clear liquid
<b>pH Value</b>	3.0 ±1 (2% solution)
<b>Compatibility</b>	Stable in hard water and high temperature generally encountered in textile processing. Stable at high alkaline medium (100 gpl of Caustic Soda Flakes). Not compatible with cationic products.
<b>Specific Gravity</b>	Around 1.0 (25°C)
<b>Ecology / Toxicology</b>	The general hygiene and safety rules for handling chemicals should be observed in storage, handling and use. The product must not be swallowed.
<b>Storage Condition</b>	In a cool and dry place but not below + 5 °C, in closed original containers. Stir the product thoroughly before use. Opened containers must be closed again tightly.
<b>Shelf Life</b>	12 months from date of manufacturing if stored under controlled conditions.
<b>Statutory Information</b>	For statutory information, especially particulars regarding safety while handling, toxicological and ecological data - please consult our product specific safety data sheet.

## Application Procedure

### Dilution

**Qunox Ultima Liquid** is generally added undiluted in bleaching bath. It can also be diluted in any proportion with cold water. Stock solutions are stable for a long duration.

#### 1. Peroxide bleaching (Pad - cold batch method):

**Qunox Ultima Liquid**      0.5 - 2.0 gpl

Pick up 100%, Batch time 10 - 24 hours, followed by hot wash

#### 2. Combined scouring and bleaching (Exhaust method):

**Qunox Ultima Liquid**      0.2 - 0.5 %

Bath temperature 98 - 110°C, running time 30 - 45 min, followed by hot wash

#### 3. Continuous scouring - peroxide bleaching (Pad - steam method):

**Qunox Ultima Liquid**      1 - 3 ml / Kg

Pick up 80 - 100%, Steam temperature 100 - 102°C, Dwell time 10 - 15 min

### Disclaimer:

*This information and our technical advice - whether verbal, in writing or by way of trials - are given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to check its validity and to test our products as to their suitability for the intended processes and uses.*