

## Technical Data Sheet

### QUALIX – SQ-4000

**SQ-4000:** is a powerful new generation sequestering agent which has a very high stability at high temperature and pressure and effective over wide range of PH due to its high performance and cost effectiveness many leading process houses accepted SQ-4000 in place of conventional chelating agents such as EDTA Metaclaw and chelashok

**Scouring:** Scouring process in textile is used to remove natural oils wax grease soil etc due to metallic ions in water they form metallic soap which deposit on fabric and given poor scouring and rough feel to the cloth in normal water 0.1% of SQ-4000 will help to overcome this problem in hard water may have to be increased up to 0.5% depending upon its hardness

**Mercerizing:** Iron in caustic lay gives yellow tint to the cloth use the SQ-4000 will help in overcoming this problem if the cloth after mercerizing is taken for peroxide boil iron acts as catalyst and thus due to oxidation loss of tensile strength or pin holes are formed in the fabric SQ-4000 bind the iron from printing on making it inactive

**Peroxide bleach:** Depending upon the hardness of water 0.5% to 1gm/lit SQ-4000 when used in peroxide boils gives superior whiteness to the cloth and also helps in avoiding scale formation

**Dyeing:** The presence of trace metals adversely affect shade and fastness of any dyed Use 1gm /lit to 2gm/lit of SQ-4000 in dyeing of polyester Cationic and Cotton fabric it is very useful in developing brighter and cleaner shade with superior fastness it is very in high temperature high pressure Beam dyeing and Jet dyeing to get brighter and leaner shade on the fabric the feel of the fabric is also improved at the time of Finishing process

Printing:

### Quality Chem

*Manufacturer, Importers & Exporters*

-----ISO 9001:2000 Certified Company-----

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**SQ-4000:** is useful in all types printing paste when water is hard since prevents precipitation of Calcium Magnesium and iron salts

### **SQ-4000**

#### **Specification:**

|                   |                                                  |
|-------------------|--------------------------------------------------|
| Commercial form   | White powder with brightness                     |
| Active agent      | 100%                                             |
| PH of 1% Solution | Above 7.0                                        |
| Solubility        | Soluble in cold water Methanol and Aqueous acids |
| Packing           | 25 kg in HDPE bags                               |

#### **Application:**

Water treatment chemicals textile dyeing, printing, soaps & detergent sugar manufacturing oil field depends on hardness of water.

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