

NAVIN

POLYCON

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PRODUCT INFORMATION

SUPER BRIGHT-696

Water Treatment Compounds

SUPER BRIGHT – 696 is a versatile speciality – performance chemicals useful for various industrial applications. This compound is hydrolytically stable, environmentally safe and are not affected by chlorine. The versatility of Super Bright – 696 makes them cost effective and a superior replacement for other sequestrates and allied chemicals. Various grades of Super Bright-696 are available as white, free flowing solid easily soluble in water or as aqueous solutions. Their chelation value (mg of CaCO_3 chelated per gm of Super Bright-696) varies from 100 to 700, thus making them several fold effective than conventional chelating agents such as Ethylene Diamine Tetra Acetic Acid (E.D.T.A.), N.T.A and polyphosphates. Super Bright-696 can be used in place of conventional chelating agents without process modification for effectively **removing** calcium, magnesium, iron, copper and other heavy metal ions.

GENERAL APPLICATION :

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| 1. Aqua Farming | : Metall Finishing |
| 2. Boiler Water Treatment | : Metal – Ion Chelation |
| 3. Cooling Water Treatment | : Neem Products |
| 4. Dairy Cleaners | : Paints & Varnishes |
| 5. Dyeing of Fabrics | : Peroxide Stabilizer |
| 6. Hatcheries | : Textile |
| 7. Leather processing | : Trace metal carrier in Fertilizers. |

BOILER WATER TREATMENT:

Super Bright-696 is mainly used in Boilers to control any scale formation that may take place on account of metal-ions in water on heat transfer surfaces. An added advantage of using Super Bright-696 is that it is also helps to remove any previously formed scale. It is compatible with other boiler treatment chemicals and its efficient oxygen scavenging action, before feed water enters the boiler protect the boilers from exposure to water/steam and this preventing corrosion.

COOLING WATER TREATMENT:

Super Bright-696 inhibits typical scale in heat transfer areas due to CaCO_3 and CaSO_4 . Fouling by accumulation of suspended solids and corrosion products is prevented. The main feature is the prevention and in turn inhibition of corrosion of the entire cooling equipment. Its inherent property of Biocide-Activity to control growth of micro-organism saves on addition of other Biocides.

USE OF SUPER BRIGHT- 696 IN TEXTILE:

SUPER BRIGHT-696 is a powerful new generation sequestering agent, which has a very high stability at high temperature (Stable upto 240°C) and pressure and effective over a wide range of pH. Due to its high performance and cost effectiveness many leading process houses have accepted Super Bright –696 in place of conventional chelating agents such as E.D.T.A.A., N.T.A. and other branded items.

Textile PEROXIDE BLEACH.:

Depending upon the hardness of water, Super Bright - 696 when used in peroxide bath gives superior whiteness to the cloth and also helps in avoiding scale formation. The heavy metal ions in the water are chelated which otherwise would lead to increase both the consumption of Peroxide and cause damage to the fibers. The stabilization is improved by pre-treatment with Super Bright – 696. It reduces the catalytic decomposition of the bleaching agent and the tendering of the fabric. It stabilizes peroxide against oxygen loss, stabilizes peroxide baths against silicate deposits. It improves bleaching performance thereby, reducing bleaching cost and improving the fabric quality.

Textile SCOURING:

Scouring process (Prcleaning of Fibers) in textile is used to remove natural oils, spinning, oils, dyes or stain through storage and transportation, wax, grease, soil, etc. Due to metallic ions in water they form metallic soaps, which deposit on fabric and give poor scouring and rough feel to the cloth. In normal water 1% of SUPER BRIGHT – 696 will help to overcome this difficulty. In hard water quantity may have to be increased.