

## **SUPER SOFTNER-W**

### **Leather Auxiliary**

#### **Technical Information**

##### **Properties :**

***Pale straw coloured sequestering compound based, on EDTA.***

<b>Appearance</b>	:	Pale straw coloured liquid
<b>Character</b>	:	Alkaline
<b>Chelation Value</b>	:	95–100 mgs of CaCO <sub>3</sub> per gm. of super Softner-W
<b>Fastness to Light</b>	:	good
<b>pH</b>	:	10 – 11.80
<b>Viscosity</b>	:	Low
<b>Stability</b>	:	To high temperature & pressure Good. To ..... acids&alkalies

##### **Behaviour :**

It is a powerful organic sequestering agent, which combines with heavy metallic salts like Ca, Mg, Fe, Cu to form soluble metallic complexes and thus inhibiting the latter's adverse action on the processing chemicals, SUPER SOFTNER-W is stable to high temperatures and pressures. It is therefore, suitable for hard water treatment for boilers and processing baths where temperature and pressure create problem. In fact SUPER SOFTNER-W can be used in leather processing wherever the skins/hides come in contact with water e.g. liming, deliming tanning fatliquoring, dyeing etc. since it prevents metal ions from reacting with leather.

##### **Application :**

**WATERTREATMENT :** A few parts softner W will chelate the hardness in water and make it suitable for leather dyeing and for boiler. SUPER SOFTNER-W does not have the disadvantage of phosphate such as hardening the leather or colour change on dye, if used in calculated quantities. The sequestering value is 100 mg of CaCO<sub>3</sub> per gm. of softner W.

**Deliming :**

Use 0.2% softnerW on [elt weight in the deliming drum, run 10 mts. and add other deliming agents. This will reduce calcium formation and give pelts that are free from insoluble calcium compounds. It also eliminates iron stains due to impurities from sulphides.

**Vegetable Tanning :**

River water often gives rise to iron stains. Such water treated with SUPER SOFTNER-W before use in liquors and for dissolving extracts. Use of 0.2% of SUPER SOFTNER-W in drum liquors will eliminate iron stains due to Fe from pipes, vessels, equipments etc. Use of 0.2% to 0.5% SUPER SOFTNER-W along with bisulphite, oxalic acid or syntan bleaching agents to remove iron stains in drum bleaching. Use 0.1% SUPER SOFTNER-W along with vegetable extracts in chrome retanning baths to get stainfree light coloured leather.

**Finishing :**

Use of small quantity of SUPER SOFTNER-W 1 to 2% of the total emulsion, increase the floating properties and avoids agglomeration of pigments give easy grinding, finer particle size and better dispersion of pigments. The pigments do not easily settle from the pastes.

***Recommendations are based on current knowledge and experience but without engagement and warranty.***