

# BETAGARD 2130

## BOILER SCALE CONTROL

**Description** BETAGARD 2130 is a specialized product designed to enhance phosphate based treatments where iron and other deposit problems may occur. It will help keep boiler tubes and internals clean, and the effect will be evident at inspection turn arounds, it may be used in all designs of boilers up to 105 bar pressure, where deposition on hot areas with high heat fluxes may be of concern. BETAGARD 2130 will complex, mobilize and disperse insoluble matter resulting from the reaction of the boiler phosphates not only with iron, but will also act to dissolve the insoluble products of trace ions such as Ca, Mg etc. which may cause a build up of scale deposits on high heat-transfer surfaces.

### Properties

Appearance	Clear colorless to yellow liquid
pH	7.5 – 9.5
Sp. Gravity at 25 DEG C	1.02 – 1.18
Solubility	Completely soluble in water

### Dosage and Feeding

BETAGARD 2130 should be dosed in so as to yield a concentration of 50 – 100 ppm in the boiler water, the level determined by the severity of the problem. The product may be injected along with other boiler chemicals directly to the steam drum in high pressure boilers, and may be dissolved in the same chemical tank as the internal treatment chemicals. Once the appropriate level in the boiler has been established, usually with a single batch addition to ensure the desired ppm level, ongoing replacement dosage should be calculated on product lost in blowdown.

### Handling and storage

Observe normal precautions for industrial chemicals. Wear goggles when handling. Avoid contact with eyes or skin. If eyes are contacted, flush with plenty of water for about 15 minutes and get medical attention immediately.

### Packing

In plastic container with net weight 25 kg.