

BETAGARD 9130

Scale Inhibitor for Oil Field

Description **BETAGARD 9130** is a dispersant formulated for use in Boiler, cooling or condensate systems to control scale formation from the precipitation of hardness salts and to sequester and disperse metal oxides. The excellent scale-inhibiting properties of **BETAGARD 9130** will ensure that critical heat exchange equipment is maintained free of scale even when the water quality is such that the saturation index for hardness scale is exceeded, as may happen when high hardness water is concentrated in an evaporative cooling system. Under this type of conditions, the alkalinity and hardness within the system will increase as will pH, and these phenomena will lead scale unless they are controlled. **BETAGARD 9130** will very effectively control the scale precipitation well beyond saturation, and will have the dual effect of enabling higher cycles of concentration, when alkalinity and pH would be higher, which will mean less corrosion potential.

Properties

Appearance	Colorless to yellowish liquid
pH	3.0 – 5.0
Sp. Gravity at 25 DEG C	1.00 – 1.30
Solubility	Completely soluble in water

Dosage and Feeding

The dosage rates of **BETAGARD 9130** will vary according to the nature of water within the circuit to be treated which will be influenced by make up water quality and the operating concentration factor of the system. **BETAGARD 9130** is very effective indeed, it has been found to be effective even at 20-60 ppm, but for heavy scale a higher dosage will be needed since there is some demand on the chemical due to stoichiometry in its action. For such systems, we suggest a range of 50-200 ppm to be maintained in the system at all time for excellent scale control.

Handling and storage

Wear protective goggles and rubber gloves, when handling. Avoid contact with skin, eyes or clothing. In case of contact, immediately flush with plenty of water. And for eyes, get medical attention immediately.

Packaging

In plastic container with net weight 25 or 200 kg.