

BETAGARD 1115

Scale Inhibitor and Dispersant

Description

BETAGARD 1115 scale inhibitor and dispersant formulated for use in general application of water 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 1115** 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 1115** 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	Clear to yellowish Liquid
pH	5.0 – 7.0
Sp. Gravity at 25 DEG C	1.06 – 1.10
Solubility	Completely soluble in water

Dosage and Feeding

The dosage rates of **BETAGARD 1115** 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 1115** 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 30 kg or 200 kg/drum

BETAGARD

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