

BETAGARD 9140

Oxygen Scavenger

Description

Betagard 9140 used to remove free and combined oxygen and chlorine from feedwater system. Betagard 9140 removes oxygen and chlorine more effectively than activated carbon and eliminates many of the issues associated with carbon beds including carbon fines in downstream feedwaters and bacterial growth. Betagard 9140 effective to remove Oxygen for steam generating systems with low feed water temperature, preservation of boilers during shutdown periods, systems where reaction rate of uncatalyzed sulfite with oxygen is too slow, and systems with poor mechanical deaerators.

Features

- stable compound, and is readily soluble in water.
- Removes Oxygen & Chlorine from water at room temperature.
- Will reduce the build up of alkalinity in water and ease the problems associated with high alkalinities.

Properties

Appearance	Colorless to yellowish liquid
pH	3.0 – 5.5
Sp. Gravity at 25 DEG C	1.20 – 1.40
Solubility	Completely soluble in water

Dosage and Feeding

In theory, 3.5 mg of Betagard 9140 will remove 1.0 mg of free chlorine. In practice, however, 10.0 mg of Betagard 9140 is normally used to remove 1.0 mg of chlorine.

Direction For Use

In accordance with results of control tests, the required amount of Betagard 9140 is dilute with water and continuously injected into feed line. Regular control and additions should be to level the sulphite content.

Additions should be made to maintain residual of 30 – 50 ppm as SO₃(Sulfite) at the end of the addition period, additions to be controlled by the use a Sulphite test kit. Note that 3.0 lb of Betagard 9140 will remove 50 ppm of alkalinity as CaCO₃ from 1000 gallons of feed water.

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.