KI Oilfield Chemicals Private Limited

Product Data Sheet (PDS)

KI-22 Oxygen Scavenger

PRODUCT DESCRIPTION:

KI- 22 It is a catalysed oxygen scavenger which is used for chemical deoxygenating for Oilfield applications.

PACKING :

240 ~ 250 Kgs. HDPE Drums.

Recommended Dosage and Application

The amount of KI – 22 required for any particular installation will depend upon factors such as, amount of dissolved oxygen in feed water, the amount of water evaporated and the type of boiler. Our experts will recommend the dosage which can be prepared in soft water or condensate will stirring. It is advisable to maintain boiler feed water temperature above 75^0C before addition of KI – 22

However, dosage may vary depending upon oxygen concentration in the boiler. You adjust the dose by monitoring 30ppm of sulphite concentration in the boiler blow down.

Typical Specification :

Appearance	Colourless to pale yellow liquid
Sp. gravity @ 20 °C	1.20 ~ 1.30 gm/ml.
pH	6.0 ~ 9.0
Solubility	Soluble in Water with all proportions.

Handling :

KI – 22 is not a hazardous chemical although it may irritate sensitive skin, in such an incidence wash the affected are with cold water immediately. Use rubber gloves, goggles or face shields while handling KI – 22.

Benefit :

1. Controls localized corrosion by spontaneously reacting with dissolved oxygen.
2. Prevent iron pick-up in boiler blow down as well.
3. Minimize boiler maintenance and cleaning cost.

Principal Users:

KI – 22 is specially developed for internal treatment of industrial applications. where softened water, DM water, condensate water are used. The catalysed oxygen scavenger present in KI – 22 reacts with dissolved oxygen 20 to 50 time faster than the commercial un catalysed oxygen scavengers & hence complete removal of oxygen can be achieved in a matter of seconds.