

HYDRO 540

Oxygen Scavenger

General Description

Properties

Appearance Clear Colorless liquid

Specific gravity 1.00 – 1.05 at 20 °C

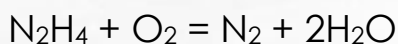
pH 12.0 – 14.0

Principles uses

Catalyzed Oxygen scavenger in high Pressure boilers or high pressure hot water circuits.

Features

- Hydro 540 : is a liquid and easy to dose
- Hydro 540 : scavenges oxygen due to this reaction :



With no TDS additions

- Hydro 540 : in solution form is stable at room temperature

Direction for use

Hydro 540 should be diluted to an adequate concentration and continuously injected into the feed water line. The feed rate of **Hydro 540** will depend upon the boiler operating pressure, per cent of returned condensate and the dissolved oxygen content of the boiler feed water, for good oxygen scavenging reaction for every 1 ppm of oxygen present in the water would need 3 ppm of **Hydro 540**.

In high pressure steam boiler

After efficient thermal de-aeration, the **Hydro 540** solution should be continuously fed into the feed water at the pressure side of the condenser-extraction pump. Use 50 – 100% more than the amount needed to stoichiometrically account for the dissolved oxygen.

In high pressure hot-water system

Feed **Hydro 540** on a slug basis to maintain 0,4 – 1 ppm N_2H_4 in the recirculating water.

To prevent corrosion in the feed water lines, it is best to inject **Hydro 540** as far apart from the boiler as possible.

Handling and safety

Hydro 540 may cause inflammation to the skin and eyes when brought into contact with them – so take the usual precautions, use goggles, gloves and protective clothing.

If splashed, rinse immediately, if eyes are splashed, rinse with plenty of water and seek medical attention.

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