LIQUITREAT

Complete Liquid Boiler Water Conditioner for Boilers up to 30 Bar Pressure

Product Description
LIQUITREAT is a liquid blend of alkaline mineral salts, sequestering agents, scale and corrosion inhibitors, oxygen scavenger and sludge conditioner.

Directions for Use
The main attributes of LIQUITREAT are:-
* Correct precipitation of hardness salts in conjunction with phosphate
* Neutralisation of acid conditions
* Avoidance of caustic corrosion
* Control of magnesium and calcium salts

The alkalinity "balance" is extremely important for efficient water treatment. LIQUITREAT provides this whilst avoiding excessive pH levels which could cause embrittlement and corrosion of boiler components.

Hardness Control: LIQUITREAT provides a phosphate reserve to effectively react with and precipitate the hardness salts introduced with the feed water. The formation of insulating scale on hot metal surfaces is prevented as the salts produced will not adhere and so optimum heat transfer efficiency is maintained. The stable phosphate compounds used in LIQUITREAT will maintain their efficiency throughout the boilers normal operating temperature range. Where low temperatures can cause low phosphate levels, this is avoided.

Sludge Conditioning: Boiler sludge can most easily be removed by blow down if it is free flowing. LIQUITREAT will ensure this by preventing the scale from coalescing to form large crystals or adhering to metal surfaces. The resulting sludge is free flowing & will easily be removed by blow down when required.

Oxygen Control: Oxygen scavenging becomes more vital with an increase in boiler pressure. The oxygen scavenger will effectively react with dissolved oxygen even at lower temperatures.

Dosing Methods:
LIQUITREAT is best fed into the boiler feed line by means of a metering pump. Gravity fed systems should be dosed by means of a flowmeter and dosing drum. DO NOT SLUG DOSE.

Initial Dose: Untreated System 5 litres / 1000 litres distilled feed water resulting in 100ppm P. Alkalinity.

Additional dosing of LIQUITREAT is required to bring the P.Alkalinity level to a mid point of 200ppm. Blow down is dependant on Alkalinity & Chloride levels.

If alkalinity drops below 100ppm, increase the dosage by 20%, if alkalinity exceeds 200ppm, reduce dose by 20%.

In general the ranges are:- 100-300ppm ppm P Alkalinity
200ppm Chloride maximum.

Physical Properties:
Appearance: Clear liquid
Specific Gravity: 1.17
Odour: Faint
Boiling Point: Approx. 105'C
Stability: Infinite
pH: 14

Features & Benefits

- Complete "one shot" liquid conditioning treatment
- Boiler kept at peak level efficiency
- Heating surfaces kept clean and so optimum conditions exist
- Promotes protective films to prevent boiler steel corrosion.
- Dispersant action suspends sludge and sediment particles for efficient blowdown
- Reduced Maintenance
- Oxygen scavenging for increased protection.

Applications
Suitable for use with: -

- Auxiliary Boilers
- Waste Heat Boilers
- Economisers
- Package Boilers
- Smoke & Water Tube
- Boilers
- Steam/Steam Generators - up to 30 bar pressure.

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