corrosion of a boiler tank and the entire boiler system including a feed-condensate system, without adding a large amount of phosphate salt or elevating the Na/PO_4 mole ratio to 3 or higher.

[0006a] Summary

In one aspect, the present invention refers to use of an amine compound represented by formula (1) $NH_2-(CH_2)_m-O-(CH_2)_n-OH$ ··· (1) in a boiler anti-corrosive, wherein the amine compound represented by formula (1) is added in an amount of 0.01 to 100mg/L; wherein each of m and n is an integer of 1 to 3, the use comprising addition of the boiler anti-corrosive to water in a boiler. In another aspect, the present invention refers to a method of preventing corrosion of a boiler tank, comprising adding, to a water feed system of the boiler tank, 0.01 to 100 mg/L of an amine compound represented by formula (1) $NH_2-(CH_2)_m-O-(CH_2)_n-OH$ (1), where each of m and n is an integer of 1 to 3, as a boiler anti-corrosive.

Means for Solving the Problems

[0007]

The present inventors have conducted extensive studies in order to attain the aforementioned object, and have found that the object can be attained by a chemical agent containing an amine compound having a specific structure including an amino group and a hydroxyl group in the molecule thereof, in particular, a chemical agent containing an oxygen scavenger and the agent containing the amine compound. The

present invention has been accomplished on the basis of this finding.

[0008]

Accordingly, the present invention provides the following [1] to [6].

[1] A boiler anti-corrosive characterized by containing an amine compound represented by formula (1):

$$NH_2-(CH_2)_m-O-(CH_2)_n-OH \quad \cdots \quad (1)$$

(wherein each of m and n is an integer of 1 to 3) (hereafter may be referred to as an "anti-corrosive I").

[2] A boiler anti-corrosive as described in [1] above, which further contains an oxygen scavenger (hereafter may be referred to as an "anti-corrosive II").

[3] A boiler anti-corrosive as described in [2] above,