



KEMOX – L

Product Description: KEMOX – L is a catalyzed sodium sulphite in liquid form used mainly in low and medium pressure boilers up to 850 PSI.

Product Uses: KEMOX – L is used as an oxygen scavenger in boiler water treatment, reacting with oxygen to form inert sodium sulphate. The catalyst ensured rapid reaction time so that complete oxygen removal can be achieved. Rapid oxygen removal means minimal corrosion plus extended boiler life.

KEMOX – L may also be used for the removal of chlorine, 4 mls of KEMOX – L removes 1 gr. of free chlorine.

Features and Benefits :

- ☐ Concentrated liquid product.
- ☐ Protects the boiler from oxygen corrosion.
- ☐ Catalysed product for very rapid action.
- ☐ Reacts at low temperature.
- ☐ Will assist mechanical deaeration.
- ☐ Simple control test.

Dosing Method: The recommended initial dosage is 0.15- 0.3 liters per ton of boiler water depending on the boiler pressure and dissolved oxygen. Check the sulfite level and adjust between 10-50 ppm depending on operation pressure and boiler design.

As a guide, 32 ppm of KEMOX – L are required to react with 1 ppm of oxygen. There are several points where the treatment can be dosed. The main point is into the boiler feed water line.

Sample and Testing : A representative sample of boiler water must be obtained, at an interval to be set by experience in the operation of the boiler. For example, this could be daily or every three days (according to boiler type and pressure).

The test results indicate the level of treatment in the boiler. If the levels are incorrect, the treatment will have to be adjusted accordingly, with more frequent testing until a steady state is reached. It is important that regular testing is carried out to ensure levels of treatment are correct.

SULFITE : Dosage of KEMOX – L catalysed Sulfite

Boiler pressure PSI Kg/cm²		Residual Range (ppm as SO₃)	Dosage Requirements
a) Up to 450	Up to 32	20 – 50	Satisfactory
b) 450 – 850	32 – 60	10 – 15	Satisfactory
(a) or (b)		Below satisfactory, Increase dosage by 25%	
(a) or (b)		Above satisfactory, Decrease dosage by 25%	

Caution: Irritating to eyes. Contact with acids liberates very toxic gases. Wear suitable protective clothing, gloves and eye/face protection.