



## **KEM-FOS-L**

### **Description**

KEM-FOS-L is a liquid compound containing alkaline mineral salts, sequestering agents and inorganic corrosion inhibitors which provide scale and corrosion inhibition for low pressure boilers.

### **Application**

KEM-FOS-L is suitable for all auxiliary boilers, waste heat units, low-pressure water tube boilers, smoke and water tube boilers, steam/steam generators etc.

### **Advantages**

KEM-FOS-L is a complete boiler water conditioner, inhibits corrosion due to traces of free oxygen in feed water, dissolved hardness salts of Ca and Mg contained in feed water, converts potential hard scale - forming salts to inert, non adhering soft sludge particles which are kept in suspension. The balanced alkalinity supplied by KEM-FOS-L assures the correct environment for the precipitation of hardness salts, the proper conditions to maintain silica in solution the appropriate amount of alkalinity to prevent corrosion.

### **Usage**

For an untreated system an initial dose of 2,5 liters of KEM-FOS-L per 1000 liters of untreated water is recommended. Thereafter the dosage rate of KEM-FOS-L is based on "P" alkalinity measured in ppm of CaCO<sub>3</sub>.

The following chart indicates the appropriate amount of KEM-FOS-L to be added (the mid point value is circled).

"P" Alkalinity ppm CaCO <sub>3</sub>	0	50	100	150	200	225	250	300	350	400
KEM-FOS-L L/1000 L	2,5	1,9	1,3	0,7	0,2	0	0	0	0	BLD

KEM-FOS-L is best fed continuously to the boiler feed water by means of a metering pump.

The recommended control limits are:

- p-Alkalinity: 200-300 ppm CaCO<sub>3</sub>.
- Chlorides: 200 ppm Cl max.
- Condensate: pH 8.3-9.0.

Blowdown (BLD) and scumming operations must proceed at regular intervals to remove sludge/sediment particles. Excessive chlorides are removed by blowdown.

### **Packaging**

Non-returnable 30 liter plastic containers.

The testing equipment to measure boiler water quality and control treatment with KEM-FOS-L is available from EUROCHEM S.A.