



**KEMOX – P**  
**(OXYGEN SCAVENGER)**  
**CATALYZED SULPHITE POWDER**  
**FOR RAPID BOILER WATER OXYGEN SCAVENGING**

**Product Description:** KEMOX – P consists mainly of catalyzed sulphites in powder form used in low and medium pressure boilers up to 850 PSI for the protection of boiler internals from effects of oxygen corrosion.

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

KEMOX – P may also be used for the removal of chlorine, approximately 1.4 gr. of KEMOX – P removes 1 gr. of free chlorine.

**Features and Benefits:**

- Concentrated powder product.
- Protects the boiler from oxygen corrosion.
- Catalyzed product for very rapid action.
- Readily soluble in water.
- Reacts at low temperature.
- Will act as an aid to mechanical deaeration.
- Simple control test.

**Dosing Method:** Quantity of KEMOX – P required will depend on the boiler operating conditions. A reserve of 20 – 30ppm Sulphite is maintained in the boiler water, depending on operation pressure and boiler design. As a guide, 8ppm of KEMOX – P are required for 1 ppm of oxygen. There are several points where the treatment can be dosed. The main point is into the boiler feed water line. Check Sulphite level and increase or decrease the dosage according to the dosage chart below.

**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.

**SULPHITE :** Dosage of KEMOX – P catalyzed Sulphite

Boiler pressure PSI                      Kg/cm <sup>2</sup>		Residual Range ( ppm as SO <sub>3</sub> )	Dosage Requirements
a) Up to 450	Up to 32	20 – 30	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%	