

# OXYGEN CONTROL

## 1. DESCRIPTION

OXYGEN CONTROL is a catalysed sulphite in liquid form. It is extremely soluble in water. OXYGEN CONTROL is used as an oxygen scavenger in boiler water treatment, reacting with oxygen to form inert sodium sulphate. The catalyst ensures rapid reaction times so that complete oxygen removal can be achieved. Rapid oxygen removal means minimal corrosion plus extended boiler life.

## 2. APPLICATIONS

OXYGEN CONTROL is a slightly acidic liquid and thus must not be mixed with any alkaline treatment when dosing the feed system. Mixing with alkaline treatments will cause precipitation of the catalyst.

## 3. DIRECTIONS FOR USE

OXYGEN CONTROL can be fed neat or diluted with water. Dilutions should not exceed 30 times and must be used immediately. Application by a proportioning pump into the feed system is ideal but also addition by a dosing pot or alternative means to the feed system or direct to the boiler is acceptable. Addition at deaerator outlet on feed pump suction to give protection to as much of the system as possible is recommended.

## 4. INITIAL DOSAGE

OXYGEN CONTROL must be dosed at a rate of 83 mls/ton if liquid, and 45 grams / ton if powder. This dosage is required to maintain the desired 20-30 mg/l of sodium sulphite in the boiler. Where boilers are left idle for any length of time a sulphite reserve of 100-200 ppm sodium sulphite should be maintained in the water to protect against corrosion.

## 5. CONTROL LIMITS

In order to reduce the corrosive effects of oxygen, when the boiler is used for the production of steam only occasionally, one should leave in the water a reserve sulphite of 100 to 200 ppm to protect the serpentine from corrosion. When the boiler is in use the level of sulphite should be maintained at 20 to 30 ppm.

### Product Highlights

- Catalysed sodium sulphite in liquid form
- Used as an oxygen scavenger in boiler water treatment
- Extends boiler life by rapid oxygen removal

### Product Characteristics

Appearance:	clear liquid
Corrosive action:	do not mix with an alkaline material
Specific gravity:	1.33(20C)
Flash Point:	none
pH:	5.5

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