

# HYDRAGUARD LIMITED

## BW355

**BW355** is a multi-functional product for use in steam boilers and closed circuit heating systems. It consists of catalysed sulphite solution to provide oxygen scavenging, a polymer and phosphate to provide conditioning of suspended solids, and an alkalinity builder to give pH adjustment.

The removal of dissolved oxygen greatly reduces the serious problem of oxygen induced corrosion. This increases equipment operating life. To improve reaction time with dissolved oxygen, **BW355** is catalysed. The product has also been formulated to be a low odour product for safe handling.

### ADVANTAGES

- removes dissolved oxygen to reduce equipment corrosion and pitting
- catalysed for quick reactivity
- low product odour

### HOW MUCH TO USE

**BW355** should be added to steam boilers in sufficient quantity to produce a sulphite residual of 30 to 60 ppm as SO<sub>3</sub> within operating boilers. For boilers on lay-up, a sulphite residual of 150 ppm as SO<sub>3</sub> is suggested. As a guide a dose rate of 35 ml/m<sup>3</sup> per ppm of dissolved oxygen is recommended. Contact your water treatment representative regarding dosing guidelines for closed circuit heating systems.

### METHOD OF APPLICATION

**BW355** should be added to the farthest point back within the system to allow for maximum reaction time with the dissolved oxygen. The product should be added continuously based upon make-up and should be pumped directly from the product container.

### PROPERTIES

Appearance:	pale pink/mauve solution
Density:	1.10 – 1.20
pH of neat solution:	10.0-11.0

### HANDLING AND STORAGE

**BW355** has a low toxicity but standard chemical precautions should be taken when handling all chemicals. Wear gloves and goggles. Certain individuals may show sensitised reaction to the sulphites in the product. Maintain product above 0°C to prevent freezing. Consult Health and Safety sheet for further information.

### PACKAGING

**BW355** is available in 25 litre and 200 litre containers.

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PRODUCT DATA