



*World class Water Treatment Capabilities for industries*

## Product Bulletin

<b>Product name</b>	<b>ROJEN B-500</b>
<b>Group</b>	<b>Chemicals</b>
<b>Application</b>	<b>Boiler Water System</b>
<b>Primary Function</b>	<b>Corrosion inhibitor</b>

### 1.0- Introduction

ROJEN B-500 corrosion inhibitor consists sodium sulfite blended with a specially selected catalyst. It is used to prevent corrosion in a steam generating system by removing dissolved oxygen from feedwater and boiler water. ROJEN B-500 reacts rapidly with oxygen in water to provide greater protection to the boiler and preboiler sections, particularly where mechanical deaeration is not complete.

### 2.0- Typical Properties

Appearance:	White powder with pink-tan flecks
Specific gravity:	1.5-2.5
pH (1%)	8.0 - 8.5

### 4.0- Packaging

Available in 25 kg pails.

### 3.0- Handling & Safety

Rojen Chemicals maintain a database of material safety data sheets (MSDS) on all our products. These contain health & safety information to assist in the safe and appropriate chemical handling, ensuring the protection of personnel

### 5.0- Primary Application

Recommended dosage is 8.0 ppm of ROJEN B-500 for each ppm of dissolved oxygen in the feedwater, plus the concentration needed to maintain a small excess of sulfite in the boiler.

### 6.0- Feeding & Control

Sulfite testing equipment is needed to run the necessary control test. The dosage of ROJEN B-500 is regulated to maintain a residual of 30 to 50 ppm as sulfite in the boiler water. For boilers operating at pressures over than 600 psig, it may be necessary to maintain a lower residual. Our technical representative will recommend the correct dosage of ROJEN B-500 after thoroughly evaluating all system parameters.