

# HYDRO 356

## Boiler Water Treatment Catalyzed Oxygen Scavenger

### General Description

Hydro 356 is a highly refined mixed sulfites products exist in white crystalline powder which also contains a special catalyst. It is suitable for most food processing applications.

### Properties

Appearance	Clear to yellow powder
Bulk Density	1.05 – 1.15 g/cm <sup>3</sup>

### Principles Uses

Oxygen scavenger for boiler feed water in any system, regardless whether or not a deaerating heater is installed.

### Features

Hydro 356 scavenges oxygen due to this reaction :



- Hydro 356 is readily soluble in cold water
- Hydro 356 will completely remove oxygen from water at room temperature in 12 seconds contact time
- Hydro 356 will not cake in storage
- Hydro 356 will give complete corrosion protection to boilers and feed lines

### Direction for use

Prepare a 5 – 10 % Hydro 356 solutions and injected directly into the boiler drum or in the feed lines.

The amount of Hydro 356 to be used depends on the feed water temperature :

Hydro 356 (kilo gram) = 0.01 X oxygen content X make up water in metre cubic per day and to

maintain residual of 5 – 20 ppm as SO<sub>3</sub> in the boiler at the end of the additions period, additions to be controlled by the use of a Sulphite test kit.

### Precautions

Hydro 356 solutions should only be prepared in sufficient quantity for one day's usage. Hydro 356 solutions should not be allowed to have excessive contact with air as depletion of sulfite can be very high. Air agitation should NOT be used for dissolving the product.

No other chemicals should be mixed with Hydro 356 without reference to Hydro-Chem's representatives as interaction may occur which could prevent the full properties of the product being obtained.

### Handling and Safety

Keep out of reach of children

*Hydro-Chem Pty. Ltd*

27 Viking Court, Cheltenham,  
Victoria, 3192 Phone (03) 5531011  
Melbourne - Australia.

