

# BWT-3000

## Steam Boiler Alkalinity Additive Treatment

### Description

Glengarry **BWT-3000** is a liquid alkalinity builder used to raise the pH and alkalinity in steam boilers. Glengarry **BWT-3000** is designed to be used in combination with other boiler treatment chemicals especially those that are phosphate based.

If the pH levels are below 10.5, tricalcium phosphate and magnesium phosphate are formed and these tend to be adherent and difficult to remove in the blowdown. However, in the higher pH ranges, hydroxyapatite and magnesium hydroxide are formed which are less adherent. With the use of dispersants, these sludges are easily removed in the blowdown.

Glengarry **BWT-3000** is a clear and colourless syrupy liquid, with the following characteristics:

 pH (1% solution):	>13.0
 S.G.:	1.50 to 1.55

### Application

Glengarry **BWT-3000** may be added separately or with other water treatment chemicals to the deaerator storage section, feed water tank, feedwater line or directly to the boiler. Continuous feed is the most desirable method although slug feeding has obtained satisfactory results.

Feed solutions can be made with any water supply, temperature should be below 100°F. Always add Glengarry **BWT-3000** to water. Feed equipment should be made of steel or alloys of iron. Brass or galvanized parts should not be used.

### Directions

Dosage of Glengarry **BWT-3000** will vary, depending on the combination of boiler treatment chemicals and the characteristics of the makeup water. The treatment levels should be maintained to provide a pH range of 12.0 to 12.5 and an OH alkalinity of 200 ppm CaCO<sub>3</sub> minimum.

Consult with your Glengarry Technical Representative to determine the applicable dosage rate for your steam boiler system. be used.

### Availability

-  20 litre plastic pail
-  200 litre plastic drum

### Safety Precautions

Glengarry **BWT-3000** is a strong corrosive alkaline chemical, which causes severe burns to eyes and skin. Mists are extremely irritating to eyes, nose and throat. Do not get in eyes, on skin or clothing, wear tight-fitting chemical goggles, rubber gloves, rubber shoes and protective clothing when handling. Make sure closure on container is securely fastened before moving. Keep containers closed when not in use. Refer to our Safety Data Sheet for further information.