



Quality Chemicals  
with  
excellent performance

## APEX CHEMICALS

### AWT-21

### HARDNESS CONTROL LIQUID

- Liquid Phosphate to prevent scaling in both high and low-pressure boilers.
- Easy application in liquid form.

#### PRODUCT DESCRIPTION:

AWT-21 HARDNESS CONTROL LIQUID is an alkaline liquid phosphate formulated to prevent scale in both high and low-pressure boilers.

AWT-21 HARDNESS CONTROL LIQUID in conjunction with Apex AWT-11 Alkalinity Compound will react with the hardness salts and precipitated it as a soft sludge, which is more readily removed by blowdown. As long as phosphate reserves remain in the boiler water, all calcium and magnesium salts will have been precipitated

#### APPLICATION:

AWT-21 HARDNESS CONTROL LIQUID can be fed via chemical dosing tank or direct to the bypass pot feeder.

Alternative for low-pressure boiler AWT-21 HARDNESS CONTROL LIQUID can be dose into the hotwell or condensate return tank.

AWT-21 HARDNESS CONTROL LIQUID must not be mixed with oxygen scavengers or condensate system corrosion inhibitors.

**Dosage:** Initial dosage of 250 ml/ton of water will raise Phosphate by 10 ppm.

**Testing and Control:** The daily boiler water phosphate test result determines the necessary dosage. For details of testing procedure and control, please refer to APEX Treatment Program chart provided onboard, or contact your APEX Chemicals representative.

#### PHYSICAL PROPERTIES

Appearance	: Clear light liquid
Relative Density	: 1.01-1.11
Form	: Liquid
pH	: 11.0 – 13.0

**Packaging** : Supplied in 25 litres non-returnable containers.



**Important information:**

Apex chemicals Safety Data Sheets are available. Safety Data Sheets contain health and safety information for proper products handling procedures to protect your employees. Our Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using.

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