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**T E C H N I C A L   P R O D U C T   B U L L E T I N**

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**PH LIQUID**

**Description**

PARALINE pH LIQUID is an alkaline adjunct used to raise and maintain the alkalinity of boiler water. Adequate boiler water alkalinity is required to prevent corrosion and to support precipitation of calcium and magnesium hardness into desired sludges.

**Properties**

Appearance: Clear solution  
Specific gravity at 25°C: 1.49–1.51

**Directions**

The dosage depends on the amount of phosphate used, feedwater hardness and alkalinity, and the desired boiler water alkalinity. (*See Control below.*)

**Feeding**

A continuous feed of the solution into the pre-boiler section as needed for feedwater pH adjustment or direct to the boilers is an ideal method. This product is suitable to use with other boiler water-treating chemicals.

**Testing**

Testing equipment for running a feedwater pH and boiler water hydrate alkalinity test using the barium chloride method is needed for dosage regulation.

**Control**

The dosage of PARALINE pH LIQUID is adjusted to maintain an excess of 200 to 400 parts per million (ppm) of hydrate alkalinity expressed at CaCo<sub>3</sub> in the boiler water.

**Handling**

PARALINE pH LIQUID is a strong alkali — it is dangerous to handle. It can cause severe burns of skin and eyes. Wear goggles or face shield when handling. While making solution, add slowly to the surface of the solution to avoid excessive spattering.

Avoid contact with skin, eyes, or clothing. In case of contact, flush skin or eyes with copious amounts of water for 15 minutes. For eye contact, seek medical attention. Do not take internally. Do not store in areas where the product will freeze.

**FDA and USDA Information**

Neither the Federal Food and Drug Administration nor the United States Department of Agriculture has any objection to the use of PARALINE pH LIQUID for treating boiler water where the steam directly contacts food products.

**Packaging**

PARALINE pH LIQUID is available in 15- and 55-gallon containers.