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

A solid green rectangular box with the text 'SR#5' centered inside in a white, bold, sans-serif font.

SR#5

Description

SR #5 is used to control corrosion in the after-boiler section of a steam generating system by neutralizing the acidity of condensate. SR #5 is a volatile product.

Properties

Appearance:	Clear, viscous water white liquid
Specific gravity at 25°C:	1.01–1.03
Flashpoint:	None
pH:	10.5–10.9

Dosage

The recommended dosage is 8 parts per million (ppm) of SR #5 for each ppm of calculated carbon dioxide expressed as CO₂ in the makeup water multiplied by a factor which is equivalent to 100% makeup.

Feeding

A continuous feed of the solution into the pre-boiler section 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 condensate pH test is required for dosage adjustment. Where necessary, testing equipment for determining the amine content of condensate is used.

Control

The dosage of SR #5 is regulated to maintain the pH of condensate in the range of 7.4 to 8.0.

Handling

WARNING: SR #5 causes eye burns. It may cause skin irritation. Absorption through the skin is harmful. Do not get in eyes. Do not swallow. Avoid contact with the skin or clothing. Keep away from heat and open flame. In case of contact, immediately flush skin or eyes with plenty of water for at least 15 minutes. For eyes, get medical attention. Remove contaminated clothing and wash before reuse.

Restrictions

SR #5 is not recommended for use if the boiler water steam is in direct contact with dairy, brewery, distillery, or pharmaceutical products.

Packaging

SR #5 is available in 15-, 30-, and 55-gallon drums.