

# CL1-1

This product is a concentrated balanced sodium nitrite boiler compound for treatment of hot water boilers and closed systems operating at pressures of less than 900 psi. It is ideally suited for food plants and other industrial use.

**DIRECTIONS:** Test hardness of feed water. Hardness should not be higher than 200 ppm. If hardness exceeds 200 ppm, a separate softening procedure should be implemented. Estimate the amount of water in boiler. Add 1 part boiler compound to 200 parts of water in the system. Add at the same rate for make up water. Please note that sodium nitrite forms a protective film on system surfaces. If the surface is large, i.e. long small diameter piping, more compound needs to be added to achieve the desired residual nitrite reading. The more make up water is added the more frequently the boiler should be blown down.

**SPECIFICATIONS:** The parameters of the treated boiler water are as listed below. Should the readings be too low, it will be necessary to increase the amount of the product. If the readings are too high, the boiler needs to be blown down more frequently or the amount of compound used needs to be decreased.

p-alkalinity should be in the range of 150-350 ppm.

m-alkalinity should be in the range of 400-800 ppm.

pH should be in the range of 10-11.5.

Nitrite (NO<sub>2</sub>) should be in the range of 800-1200 ppm. To convert your nitrite test result to sodium nitrite (NaNO<sub>2</sub>), multiply by 1.5.

Conductivity should be in the range of 2500-5000 ppm.

The sample of boiler water to be analysed should be taken prior to blow down. A few gallons should be passed through before taking the sample.

For Commercial Use

