

# WATER TREATMENT *Solutions*



# SL-109

## Return Line Corrosion Inhibitor



- Protects return lines from corrosion
- Prevents return system leaks
- CFIA and NSF certified
- Specially designed for the production of dairy and milk products



CARE FOR WORK ENVIRONMENTS®

# SL-109

## Return Line Corrosion Inhibitor

### ALL-AROUND PROTECTION

SL-109 condensate treatment is an ammonia-based formulation designed to volatilize with steam and neutralize corrosive carbonic acid that forms when steam condenses. SL-109 is specifically formulated for use in dairy and milk production facilities.

SL-109 is certified with NSF and CFIA for use in steam boilers where the steam may contact food

### DIRECTIONS FOR USE:

SL-109 is most effective when fed directly to the steam header using an injection quill. SL-109 may be fed to the boiler as a secondary choice, however this product should not be fed to the feed water tank or before the boiler feed water pumps to avoid pump impeller damage. The amount of SL-109 required to neutralize condensate pH is directly related to the amount of CO<sub>2</sub> in the boiler water as a result of the natural breakdown of alkalinity in the makeup water. Typical starting dose should be 1–2 ounces of SL-109 per hour of system operation. Measure steam condensate return pH frequently during the startup of this product and adjust product feed to achieve a condensate pH of 7.5–8.2. To meet FDA, NSF and CFIA requirements, maintain the level of free ammonia in the steam less than 10 ppm.

SL-109 is acceptable for treating boilers or steam lines (G6) where steam produced may contact edible products and cooling systems where the treated water may not contact edible products in and around food processing areas.

The basic ingredient in SL-109 is ammonium hydroxide which the FDA has reviewed and concluded that the GRAS status covers use of as a boiler water additive in food contact applications, including milk and milk based products.

### TECHNICAL DATA:

**APPEARANCE:** colorless liquid

**ODOR:** strong ammonia odor

**SPECIFIC GRAVITY:** 0.9.

**WEIGHT PER GALLON:** 7.5 lbs (3.4 kg)

**pH:** >12.0.

### PACKAGING

128400	5 GL Pail
128401	55 GL Drum



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