

PRODUCT & TECHNICAL DATA

TYPE: BOILER STEAM TREATMENT – LIQUID CONCENTRATE

BST-L50-C is a specialized alkaline food approved amine blend for use in steam generating systems to neutralize carbon dioxide and complex oxygen in the steam and condensate. It is available in a liquid and in a solid form **BST-S100-C**.

TYPICAL PROPERTIES

Appearance	:	Clear Water White Liquid
Odour	:	Highly Ammoniacal
pH neat soln. at 25°C	:	12.0 – 13.5
Specific Gravity at 25°C	:	0.95 – 1.05

APPLICATION

BST-L50-C is nominally dosed using the calculation $15/\text{Total Alkalinity}$ in the untreated condensate water. E.g. If untreated condensate has a total alkalinity of 7mg/l as CaCO₃ the $15/7 = 2.14\text{mg/l}$ **BST-L50-C** dosage to feed water.

There is a specific test method for the determination of the residual **BST-L50-C**. This is a spectrophotometric method and is immediately available.

The specific active should be controlled at 0.2 – 0.5mg/l in the condensate water and so that the pH of the condensate is >7.5 in most instances.

STORAGE AND HANDLING

BST-L50-C can be stored for up to 24 months from the date of manufacture, in its original, sealed packaging, at room temperature in a dry area. This product can be safely stored in plastic type holding tanks designed to manage the specific gravity listed. **BST-L50-C** must be protected from heat, freezing and excessive aeration. Protective clothing such as gloves and goggles should be worn when handling **BST-L50-C**.



HEALTH AND SAFETY

BST-L50-C is of moderate toxicity. The product is very alkaline and pungent and eye contact or prolonged skin contact may cause irritation. Should contact occur, hands should be washed with soap and water and eyes well irrigated for fifteen minutes. Ingestion will induce vomiting and should be treated symptomatically. Spillages must be contained to allow for safe disposal. Avoid direct flushing to storm water drain. Please refer to product SAFETY DATA.

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