

PRODUCT & TECHNICAL DATA

TYPE: BCI-S100-C is a specialized, catalyzed and concentrated boiler oxygen scavenger and corrosion inhibitor for low and medium-high pressure steam generating systems.

TYPICAL PROPERTIES

Appearance	:	Pink-White Powder
Total Solids	:	95-98%

Appearance 20% **BCI-S100-C** + 80% demin/soft water m/m

Appearance	:	Deep Crimson Liquid
Total Activity	:	20%
pH neat soln. at 25°C	:	10.0 -12.0
Specific Gravity at 25°C	:	1.18 – 1.24

APPLICATION

The dissolved 20% **BCI-S100-C** is nominally controlled at between 15-30mg/l in the boiler as the sodium sulphite compound in the boiler circuit water. These dosages should be altered dependent upon dissolved oxygen content in the feed water.

mg/l dosage to boiler feed water = 5 x [(Oxygen in Feed Water x 8) + (Residual Required/Effective Cycles of Concentration.)]

There is a specific test method for the determination of the residual **sodium sulphite**. This is a titrimetric method and is immediately available.

The **BCI-S100-C** is also available as a ready to use liquid **BCI-L20-C**, the dosages and residuals can be controlled exactly as described above.

STORAGE AND HANDLING

BCI-S100-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. Bags of **BCI-S100-C** must be kept undercover and out of direct sunlight. This diluted product can be safely stored in plastic type holding tanks designed to manage the specific gravity listed. Product must be protected from freezing and excessive aeration. Protective clothing such as gloves and goggles should be worn when handling.

HEALTH AND SAFETY

BCI-S100-C is of low toxicity. The product is mildly alkaline 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.