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BDA-S100 HPI

MULTI-PURPOSE SPECIALISED ANTISCALANT

TYPE – Specialised High Performance Dispersant and Antiscalant for Boiler Internal Treatments, Evaporators, Reverse Osmosis Systems, Cooling Systems and Process Waters such as Mining, Iron and Steel, Paper & Pulp, Sugar Processing and Critical Heat Exchange Operations.

BDA-S100 HPI is a specialized reacted polymer containing polymeric anti-scalants, sequestrants and dispersants. It is designed to inhibit precipitation of calcium, magnesium and iron salts in the form of carbonate, sulphate, phosphate and silicate compounds.

TYPICAL PROPERTIES

Appearance	**:**	**Whitish Hygroscopic Powder**
20% solution in demineralized or softened water :		
Appearance	:	Clear/Opaque Straw Coloured Liquid
Flash Point	:	Not Applicable
pH 20% soln. at 25°C	:	6.0-9.0
Specific Gravity at 25°C	:	1.05-1.10
Solubility in Water	:	Complete

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APPLICATION & CONTROL

BDA-S100 HPI is dosed as follows :

Dosage required will vary according to the potential precipitative salts present and a detailed analysis of the process water is recommended. Dosages may range from 5mg/l through 25mg/l in make-up and/or feed dependent upon cycles of concentration and/or application. On line cleans will warrant higher dosages.

BDA-S100 HPI is used as REVERSE OSMOSIS MEMBRANE TREATMENT; COOLING SYSTEM/PROCESS DISPERSANT or as a BOILER DISPERSANT ADDITIVE and as an adjunct to the boiler internal treatment programmes such as – BIT-L50-HP as an extra additive when boiler water exhibits high suspend solid conditions or when scaling conditions are prevalent. It is also used extensively when boilers are being brought on line or taken off line at regular intervals.

Please refer to FDA acceptance and declaration sheet.

STORAGE AND HANDLING

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

HEALTH AND SAFETY

BDA-S100 HPI is of low toxicity and any residue monomers present have low toxicity. The product is relatively neutral but 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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