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Technical Data Sheet.

SC-BW-6042

BOILER FEEDWATER TREATMENT.

T.D.S

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DESCRIPTION & USE

C-BW-6042 is a concentrated liquid boiler feedwater treatment that protects against corrosion, scale formation, and sludge buildup in steam-generating systems. It helps maintain clean heat transfer surfaces, improves operating efficiency, and reduces maintenance needs related to water quality.Ideal for boiler systems with limited treatment options, SC-BW-6042 allows for easy handling and application through a single dosing point, providing comprehensive protection. Regular use controls corrosion, prevents scale formation, and conditions suspended solids into non-adherent sludge, enhancing heat transfer efficiency and steam production.Suitable for marine, industrial, and utility boilers under various feedwater conditions, SC-BW-6042 promotes longer equipment life, minimizes downtime, increases operational reliability, and lowers maintenance costs.

FEATURES & BENEFITS

- All-in-one liquid boiler treatment
- Controls oxygen corrosion
- Prevents scale formation
- Conditions sludge deposits
- Improves heat transfer efficiency
- Simplifies chemical inventory
- Single-point dosing application
- Easy onboard monitoring
- Suitable for marine and industrial boilers
- Reduces maintenance costs
- Improves equipment reliability

APPLICATION

TSC-BW-6042 is recommended for use in:

- Fire Tube Boilers
- Water Tube Boilers
- Auxiliary Boilers
- Composite Boilers
- Industrial Steam Boilers
- Utility Boiler Systems
- Process Heating Systems

The product may be dosed continuously into:

- Boiler Feedwater Tank
- Deaerator Storage Tank
- Feedwater Line
- Chemical Dosing Tank

Continuous dosing is recommended for optimum performance.

DOSAGE

The dosage requirement depends upon:

- Boiler operating pressure
- Feedwater quality
- Condensate return percentage
- Make-up water quantity
- Boiler load
- Blowdown rate

Initial Dosage
50 – 200 ppm based on feedwater flow rate.
The dosage should be adjusted based on routine water analysis and operating conditions

TYPICAL PROPERTIES

Property	Specification
Odor	Mild Characteristic Odor
pH (Neat)	11.0 – 12.5
Target Manufacturing pH	11.8 ± 0.3
Specific Gravity @ 25°C	1.12 – 1.18
Solubility in Water	Completely Miscible
Flash Point	None

CONTROL PARAMETERS

Parameter	Recommended Limit	Test Method
Boiler Water pH	10.5 – 11.5	pH Meter
Sulphite Residual	20 – 60 ppm	Sulphite Test
P-Alkalinity	As Program Requirement	Alkalinity Test
Conductivity	As Program Requirement	Conductivity Meter
Iron (Fe)	< 1.0 ppm Preferred	Iron Test Procedure

HANDLING & STORAGE

- Handle in accordance with good industrial hygiene practices.
- Avoid unnecessary contact with skin and eyes.
- Wear suitable gloves and eye protection during handling.
- Store in original tightly closed containers.
- Protect from direct sunlight and freezing temperatures.
- Store in a cool, dry, and well-ventilated area.

Recommended Storage Temperature

5°C – 40°C

Shelf Life

24 Months under recommended storage conditions.

PACKAGING

Available in:

- 25 L HDPE Drum
- 200 L HDPE Drum
- 1000 L IBC Tank

Other packaging sizes are available upon request.

IMPORTANT NOTE

The information herein is intended for industrial and professional users.
Users should verify product suitability under actual operating conditions and follow all applicable regulations, equipment manufacturer recommendations, and industry best practices.