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Technical Data Sheet.

SC-BW-6043

BOILER FEEDWATER TREATMENT

T.D.S

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DESCRIPTION & USE

SC-BW-6043 is a concentrated liquid boiler feedwater treatment specifically developed for use in low, medium, and high-pressure steam boilers. The product is designed to provide an effective internal treatment program for controlling boiler scale formation, sludge accumulation, and corrosion-related problems commonly encountered in steam-generating systems.

SC-BW-6043 assists in maintaining clean boiler surfaces by controlling hardness deposits and conditioning suspended solids into non-adherent sludge that can be removed through routine blowdown procedures. Regular application helps reduce the formation of insulating deposits that restrict heat transfer, increase fuel consumption, and contribute to tube failures.

The product supports efficient boiler operation by maintaining cleaner heat transfer surfaces, reducing maintenance requirements, and improving overall system reliability. Continuous treatment assists in extending equipment life and minimizing operational issues associated with poor water quality and deposit formation.

SC-BW-6043 is suitable for industrial, marine, commercial, and utility boiler installations where effective internal boiler treatment is required to maintain safe and efficient steam production

FEATURES & BENEFIT

Controls boiler scale formation; Conditions sludge deposits; Reduces boiler corrosion; Improves heat transfer efficiency; Reduces fuel consumption; Supports clean boiler operation; Extends equipment life; Easy liquid application

APPLICATION

Recommended for low, medium and high-pressure steam boilers, fire tube boilers, water tube boilers, marine auxiliary boilers and industrial steam generation systems. Dose into feedwater tanks, deaerators, feedwater lines or chemical dosing tanks

DOSAGE

Initial dosage: 30–150 ppm based on feedwater flow rate. Actual dosage should be optimized according to feedwater quality, boiler pressure, blowdown rate, and operating conditions.

TYPICAL PROPERTIES

Property	Specification
Appearance	Clear Amber Liquid
Odor	Mild Characteristic Odor
pH (Neat)	To Be Established
Specific Gravity @ 25°C	To Be Established
Solubility in Water	Completely Miscible
Flash Point	None

TARGET CONTROL LIMITS & TEST METHODS

Parameter	Recommended Limit	Test Method
Boiler Water pH	10.5 – 11.5	pH Meter
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.