

COMBOTREAT BWT

Combined Boiler Water Treatment

APPLICATION

AWT-17 COMBOTREAT BWT, is a liquid "One-shot Treatment" for rust and scale control in LOW pressure and exhaust boilers with working pressure up to 28 bars.

DOSAGE : **AWT-17** should be dosed continuously into the suction of the feed pump. If only one boiler is connected, it may be dosed directly into the feed tank. It should be gravity-fed continuously by means of a flow meter and a dosing drum. Slug dosing is not recommended. Initial dosage of **AWT-17** should be 4 litre per metric boiler water. Additional dosages should be done according to tests. For most normal systems, the daily dosage of **AWT-17** will be in the range of 50 to 150ml per tonne of water in the boiler system.

ANALYSIS

P-alkalinity and Chlorides are easily tested with the our test kit provided for this purpose. Dosage of **AWT-17** is based on the P-alkalinity of the boiler water. Unless specified by the boiler manufacturer, the P-alkalinity should be between 100 - 300 ppm of CaCO_3 . Increase dosage by 20% if alkalinity drops below 100 ppm. Reduce dosage by 20% if alkalinity exceeds 300 ppm,

Frequent blowdowns are important. The Chloride readings should never be allowed to exceed 250 ppm. The boiler should be given a long blowdown if this occurs, If condition does not improve, remove the boiler from the line. The source of contamination should be identified and removed.

CHEMICAL PROPERTIES

AWT-17 is a balanced blend of inhibitors, oxygen scavengers and alkalis. It is a strong alkaline with pH of approximately 13.

PHYSICAL PROPERTIES

Appearance : Clear, pale yellow liquid
 Odor : Faint
 Flash point : None
 Boiling Point : Approximately 105°C (211°F)
 Specific Gravity : 1.05 - 1.15



SAFETY AND HANDLING INFORMATION

Protective Measures	Wear chemical resistant gloves, safety goggles and footwear. Use in adequately ventilated areas. Wash hands with water after use. Avoid breathing in vapour.
Spillage & Disposal	Spillage is slippery. Wear gloves, confine spill and stop leak at source if possible. Pump liquid back into original container. Absorb remaining liquid with inert material such as dry sand or sawdust. Neutralize if necessary with vinegar or other diluted acid solution.
<u>FIRST AID</u> Eyes	Rinse eyes with copious amount of water for at least 15 minutes. If irritation persists, seek medical advice.
Skin	Flush with large amount of water, use soap if available. Remove grossly contaminated clothing, including shoes and launder before reuse. Seek medical attention if necessary.
If Inhaled	If overcome or affected, immediately evacuate victim from exposure area, using proper respiratory protection. Administer artificial respiration if breathing has stopped. Keep at rest. Seek prompt medical attention.
If swallowed	Rinse mouth; then drink 1 or 2 large glasses of water. Do not induce vomiting. Seek prompt medical attention. Never give anything via mouth to an unconscious person.
<u>HANDLING</u> Storage & Transportation	Product should be stored and transported in original containers. Do not store near heat, sparks, flame or strong oxidizers. Store away from strong acids and foodstuff. Keep container lid tightly closed. Store in a cool and dry area, away from direct sunlight. Open container slowly to control possible pressure release.
Packaging	Supplied in 25 and 200 litres non-returnable containers.

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