

# OBWT-3

## 1. DESCRIPTION

UNI AMERICAS' **OBWT-3** is a liquid combination of low molecular weight components, neutralized organic acids, corrosion, scale and sludge conditioners. The specialized blended low molecular weight compounds are designed to elevate boiler water pH to figures, which reduce corrosion to the minimum levels possible in boilers (**pH 10.5-11.0**) with pressure of **7 to 50 bar**. Use of these compounds also prevents "under deposit" corrosion, which is caused primarily by excess Alkalinity in standard conventional treatments. The advance polymer technology will condition hardness salts, modifying their crystalline structure as they precipitate at elevated temperature. The resulting crystal is non-adherent, light and remains in circulation with the water, enabling it to blow down easily. At the same time, an organic compound is formed throughout the boiler protecting it from corrosion.

## 2. APPLICATIONS

**OBWT-3** is suitable for all auxiliary boiler plants on motor ships including dual pressure boiler primary system. **OBWT-3** is suitable for boilers up to 20 bar, for best results we strongly recommend continuous dosage into the feed system, via a UNI AMERICAS' dosing pump and tank unit.

## 3. DIRECTIONS FOR USE

### Standard Water Treatment

**OBWT-3** can be added directly to the feed water. We strongly recommend this be done by using a dosing pump. It is also recommended to continually dose **OBWT-3** in conjunction with **OBWT-4** using a UNI AMERICAS' dosing pump / tank unit.

The boiler water must meet the following conditions:

<b>p-Alkalinity:</b>	<b>100-150 ppm CaCO<sub>3</sub></b>
<b>Chloride content:</b>	<b>max 100 ppm Cl (never exceed 300)</b>
<b>pH:</b>	<b>10.5 to 11.0</b>
<b>Conductivity:</b>	<b>400 to 1,000 Micromhos</b>

Use UNI AMERICAS' **MINILAB – UNITEST PAK 3** OR **HACH TEST KIT** for testing.

## 4. INITIAL DOSAGE

Consult your local UNI AMERICAS' Service Engineer for recommendations of the dosage rate based on specific problems and requirements onboard.

## 5. OTHER INFORMATION

- Environmentally safe, non-toxic product.
- Highly specialized combined polymer technology.
- Organic corrosion control.
- Stops excessive caustic build-up.
- Avoid hardness scale and sludge deposits.
- Elevates pH 10.5-11.0.
- Operates with low dissolved solid levels.

**(ORGANIC BOILER WATER TREATMENT)  
ENVIRONMENTALLY SUPERIOR  
ORGANIC BOILER WATER  
TREATMENT TO CONTROL PH,  
CORROSION, SCALE AND  
SLUDGE**

### Product Highlights

- Environmentally safe, non-toxic product.
- Highly specialized combined polymer technology.
- Organic corrosion control.
- Stops excessive caustic build-up.
- Avoid hardness scale and sludge deposits.
- Elevates pH 10.5-11.0.
- Operates with low dissolved solid levels.
- Quick, simple and accurate testing.

### Product Characteristics

Appearance:	Black liquid
Corrosive action:	Caustic
Specific gravity:	1.1-1.2(20°C)
Flash Point:	None
pH:	13

This information is not to be taken as a warranty or representation for which we assume any legal responsibility. The information is offered solely for your consideration, investigation and verification

clean chemicals clean ships clean seas



## OBWT-3

- Quick, simple and accurate testing.