



## OXYBLOCK D™

### DESCRIPTION

**OXYBLOCK D** is a water-based solution of specific volatile amines along with a proper catalyst; this excellent chemical combination efficiently removes the dissolved Oxygen from the boilers and steam generator systems. Its stability in high pressures makes it applicable in any kind of marine boilers, low, medium and high pressure.

### ADVANTAGES AND CHARACTERISTICS

- ◆ Efficiently and quickly removes the dissolved Oxygen from the boiler's feedwater.
- ◆ It is a volatile Oxygen scavenger; due to its high volatility circulates with the steam and passivates the metallic surfaces.
- ◆ It does not create dissolved solids.
- ◆ It is safer in use than Hydrazine based products.
- ◆ It is stable in high pressures and that makes it applicable in any type of marine boilers.
- ◆ Cost effective, easy to handle and apply.

### PHYSICAL PROPERTIES

**OXYBLOCK D** is a catalysed liquid solution of diethylhydroxylamine (DEHA).

|                  |  |
|------------------|--|
| Appearance/Color | : light yellow liquid                    |
| Specific gravity | : 0.98 - 1.00 gr/cm <sup>3</sup> at 20°C |
| pH value         | : 10.0 - 11.0                            |
| Odor             | : Odorless                               |

### PACKAGING

|              |                    |
|--------------|--------------------|
| Order Number | : 673017 (30 ltrs) |
| Container    | : Plastic jerrican |

### APPLICATION AND USE

#### Dosing & Feeding Procedure

The product should be applied by a dosimetric pump in a by-pass cross flow just before the boiler's section and separately by other water treatment products. Avoid the application of product by gravity or directly to the feed water tank as the atmospheric Oxygen reacts with **OXYBLOCK D** and decreases its active content.

For best results we suggest you to maintain a feed-water temperature of 80-90°C. This will have a positive effect in product's application as the water heated releases most of its dissolved Oxygen content.

On the other hand product could act quickly at high temperatures.

The dosage depends on many factors such as the feedwater's dissolved Oxygen quantity, the feed water temperature even on the metallic surfaces condition.

At the beginning we suggest the application of 100-150ml of **OXYBLOCK D** per day. This dosage should be regulated according to the metallic surfaces condition and the residual content of DEHA in the condensate system.

In the untreated DEHA systems the tests should be done on a daily basis in condensate system samples using the Marichem DEHA test kit. A residual concentration of DEHA between 0.15ppm-0.25 ppm should be maintained. You may be advised by following directions of dosage control in the condensate.

Initial Dosage: 150ml/day in DEHA untreated Boiler systems.

DEHA residual in the Condensate System: 0.15-0.25ppm.

Maintenance dosage: 100-200ml/day depending on condensate DEHA concentration value.



**! SAFETY AND HANDLING**

|                             |  |
|-----------------------------|--|
| <b>HANDLING</b>             | Handle with care. Store in a dry, cool and well ventilated environment.  |
| <b>SAFETY</b>               | IMMEDIATE ACTIONS  |
| <b>Eye Contact</b>          | Avoid Eye contact. Otherwise, flush with plenty of water for a few minutes.<br>Seek medical attention.                     |
| <b>Skin Contact</b>         | Avoid Skin contact. Otherwise, wash contaminated area thoroughly with water.<br>Seek medical attention.                    |
| <b>Inhalation</b>           | Avoid inhalation of vapors. Otherwise, seek fresh air source at once.<br>Seek medical attention.                           |
| <b>If Swallowed</b>         | Avoid ingestion. Otherwise, consume a considerable quantity of water.<br>Seek medical attention.                           |
| <b>GENERAL INSTRUCTIONS</b> | Avoid spillage, splashing and mishandling. Precautionary measures for body protection are strongly recommended before use. |

 **Read the Material Safety Data Sheet before using this product.**

For detailed information on safety and health, please refer to Material Safety Data Sheet and/or Product Label.

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