



## **MA-ECO DEO 4**

**An environmentally friendly additive for fuel oils, which accelerates reaction of burning and reduces fuel consumption and soot deposits in the firing system**

### **PRODUCT DESCRIPTION:**

MA-ECO DEO 4 is a new generation of high purity and stable organo-iron additives based on a mixture of synergistic, saturated, carboxylic acids - with a high flash point. It was specially developed for acceleration of the burning rate, which reduces fuel consumption by unreduced thermal effect. It also „cleans“ the soot deposits in the whole combustion system and prevents corrosion and formation of sludge in tanks or resevoirs. The product contains a high proportion of organo-iron. It does not contain any solid components and so it is fully soluble in oil and easy to use also for heavy oils and middle distillates.

### **GENERAL APPLICATION:**

The product consists of metal organic compounds with corrosion inhibiting additive for diesel fuels and high-temperature corrosion inhibitor for fuel oils. 1 liter of the product DEO 4 – 1 : 5.000 (for 5000 L of a normal heating oil) contains 70 g of Fe 2 + ions - active substances. So, 10 g of Fe 2 + ions is sufficient for the optimal combustion of 1000 L EL heating oil. For very heavy fuel oils like mazute, with a high content of asphaltenes, there is sufficient about 15 g - 25 g Fe 2 + - ion per 1000 L of fuel).

### **BENEFITS:**

- DEO 4 additive insures that the burner and the combustion chamber are clean, (1 mm of the soot layer deteriorates the thermal effect for about 3 % to 5 %);
- DEO 4 reduces fuel consumption (up to approx. 6 %) - which means energy savings;
- DEO 4 allows more efficient combustion of fuel - which means ecological effect;
- DEO 4 reduces the emission of flue gases and formation of soot (up to 70 %);
- DEO 4 prevents also the formation of sludge in tanks and is fully self-soluble in heating oil;
- DEO 4 reduces deposits on the exhaust gas side in the high and low temperature range;
- DEO 4 contains additives against corrosion and so it prevents rust in the exhaust system;
- DEO 4 prevents the eventual ignition or fire lining in the combustion system;
- DEO 4 is an non-aggressive additive / agent;
- DEO 4 has a Highly catalytic effect.

***Test results of Rhine-Westphalia Supervisory Association (TÜV) relating to fuel oil in the region of the above-mentioned values and also the certificate nr.: CE / 015-020 / 99 – of the company INSPECTA d.d., dated on 29.10.1999!***

**MA-ECO CHEM d.o.o.**

***Your problems, our challenge!***