

# FUELTREAT 880

## HEAVY FUEL OIL CONDITIONER AND STABILIZER

### DESCRIPTION

**FUELTREAT 880** acts as an oil soluble sediment dispersant and stabilizer, specially developed to face problems resulting from the blending of modern marine heavy fuels (with low sulfur fuels or cracked fuels with high asphaltene content). When using **FUELTREAT 880** benefits on stability and compatibility, fuel homogeneity and even combustion are noticed immediately after its first uses.

*IMO 2020 preparation:* Due to implementation of MARPOL MEPC. 73, the regulation for sulfur emissions the demand on distillate fuels will be increased. Storage tanks that were previously used for heavy fuel oils may require cleaning prior to distillate fuel bunkering.

*Stability and compatibility:* Instability of blended heavy fuels or oil components usually leads to sludge formation in the fuel tanks, fouled lines, heaters and viscometers and poorer combustion. **FUELTREAT 880** allows even severely cracked fuel components to be blended with improved stability, optimizing the fuel recovery from fuel sludge and heavy slops.

*Fuel homogeneity:* Fuels high in asphaltene content create sludge (due to their tendency to agglomerate), usually settling at the bottom of the tanks. **FUELTREAT 880** keeps asphaltenes and sediment well dispersed throughout the fuel, reducing sludge and the consequent purifier workload.

*Combustion:* A more homogenized fuel with asphaltenes well dispersed will give a better spray pattern to the fuel, providing a more complete combustion with fewer carbon deposits on atomizers and injectors.

### APPLICATION

**FUELTREAT 880** is used for cleaning burner assemblies, fuel oil heaters and strainers, and lub oil coolers.

### USE AND DOSING

**FUELTREAT 880** should be supplied either by injection or by adding it to the tanks, prior to fuel intake. It has to be thoroughly mixed in the fuel. In the latter case, mixing will be accomplished by the turbulence caused by the addition of the fuel.

The optimum dose is assessed on an individual basis and is highly governed by the nature and concentration of asphaltenes. The following table serves as a guide:

Treatment Rate	Sediment (%)	Concentration of Asphaltenes (%)
1:20.000	below 0.05	below 4
1:10.000	0.05	4
1:5.000	0.1	8
1:2.500	0.2	15
1:1.000	over 0.5	over 15

### PRODUCT PROPERTIES

Compatible with all normally used metals and their alloys, but rubber/synthetic rubber may swell.

Appearance	Amber brown liquid
Odor	Strong aromatic
Density at 20°C	0.86 ± 0.05 g/cm <sup>3</sup>
Flash Point	>61°C
pH	N/A

- Disperses existing wax agglomerations in waxy fuels, improving fuel filtration and reducing fuel losses.
- Helps prevent sludge built-up and deposits in heaters, strainers, lines and boiler burner tips.
- Maximizes bunker yields.
- Reduces corrosion in tanks and fuel lines.

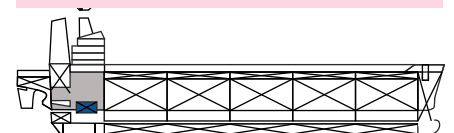
**PRODUCT CODE:** 140102

### PROBLEMS SOLVED:

- Sludge & deposit formation.
- Stability and compatibility of fuel in storage tanks.
- Filter blocking.
- Water emulsions.
- Fuel polymerization.

### APPLICABLE AREAS:

- All fuel grades.
- Engine & boiler.



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

CHEMO products are manufactured according to ISO 9001:2008 and ISO 14001:2004.

No representation or warranty, expressed or implied, is made as to the accuracy or completeness of the information or data contained herein and CHEMO HELLAS S.A. shall have no obligation or liability whatsoever with respect to any such information or data, including, but not limited to, any liability for infringement of patent or other industrial property rights. CHEMO HELLAS S.A. disclaims all implied warranties of merchantability and fitness for a particular purpose. CHEMO HELLAS S.A. shall in no event be liable for incidental or consequential damages, including, without limitation, lost profit, loss of income, loss of business opportunity and any other related costs and expenses.

© 2011 CHEMO HELLAS S.A. All Rights Reserved