



KEM FOT

Product Code : Q00015
Product Group: FUEL OIL TREATMENT
Packaging: 25L

PRODUCT DESCRIPTION

KEM FOT fuel oil conditioner is a premium blend of solvents, dispersants, surfactants and detergents for minimizing the effects of a particular fuel's inherent instability and/or incompatibility when two or more fuels from different bunker supplies are blended. During blending, normally suspended and relatively stable asphaltenes can precipitate from the fuel and form fuel sludge.

The concept of KEM FOT conditioner is twofold:

1. To suspend heavy asphaltenic fuel particles and disperse fuel sludge so that the fuel can be pumped, centrifuged, preheated, and filtered with
2. a minimum of fouling and subsequent cleaning operations.
3. To dissolve existing fuel sludge into the fuel to become a more stable, homogeneous fluid. This will maximize the energy potential utilization of the entire fuel delivery and minimize the accumulation of fuel deposits such as catalyst fires, dirt, and silt in fuel storage tanks.

As these benefits are obtained, cost savings are realized as less labor and attention needs to be paid to cleaning tanks and equipment. When used regularly, the likelihood of encountering problems attributed to accumulated sludge and fuel deposits during severe weather are eliminated.

KEM FOT conditioner can be used in both diesel engine and boiler fuel oil systems.

APPLICATION & DOSAGE

KEM FOT fuel oil conditioner can be added to the fuel oil tanks by directly adding it to all tanks that will be receiving fuel prior to fuel delivery. This will ensure that the additive is properly mixed and dispersed throughout the fuel (e.g., via fuel tank sounding tubes/vents). KEM FOT maximizes the conversion of energy stored in the fuel into useful energy when used routinely. KEM FOT may be used to treat unstable or poorly blended residual fuels and improve compatibility during fuel-switchover with low-sulfur fuel oil including marine gas oil.

BENEFITS

- **Recovers fuel sludge as usable fuel to maximize entire fuel delivery**
- **Maintains the fuel oil as a homogeneous mixture**
- **Reduces tank cleaning costs**
- **Maintains tanks, heaters, strainers and lines free from sludge and fuel deposits**
- **Optimizes purifier sludge discharge and solids Removal**
- **Does not require elaborate dosing equipment**
- **No storage stability problems for fuel in extended**



It is recommended that fuel deliveries are representatively sampled and analyzed to monitor overall fuel quality and to determine levels of contamination. Consult your local EUROCHEM representative for further discussion on fuel samplers, fuel analysis services and onboard fuel testing.

The dosage rate will vary depending upon the treatment schedule.

1. When used with each fuel delivery, KEM FOT fuel oil conditioner can be dosed in a range of 1/6000 - 1/15,000 (1 liter to 6-15 tons of fuel).
2. If not used on a regular basis, an alternate schedule can consist of dosing only when a problem from fuel incompatibility/instability occurs. In this case, the dosage rate should be 1/6000 (1 liter to 6 tons of fuel). This higher treatment rate is necessary to dissolve and disperse the existing fuel sludge.

To optimize the appropriate dosing rate determined from the fuel stability/compatibility spot number, use the following table for guidance. Stability/compatibility may be quickly determined using the COMPATIBILITY TEST, available from EUROCHEM.

Stability/ Compatibility Spot Number	Dosage Rate
1	1:15,000
2	1:12,500
3	1:10,000
4	1:8,000
5	1:6,000

HEALTH SAFETY

Please refer to the Material Safety Data Sheet and Product Label for specific information.

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