

Fuel Oil Treatment.

SHERFUEL CATALYST

ADVANCED COMBUSTION CATALYST, FUEL CONDITIONER & DEPOSIT CONTROL ADDITIVE PRODUCT DESCRIPTION & APPLICATIONS.

DESCRIPTION & APPLICATIONS:

A multifunctional fuel treatment additive formulated to improve combustion efficiency, fuel atomization, and overall fuel performance in diesel engines and boilers operating on heavy fuel oils. The product functions as a combustion catalyst, carbon catalyst, ash modifier, and smoke suppressant, helping maximize energy release from fuel while minimizing combustion-related deposits and emissions.By improving combustion characteristics and fuel conditioning, it helps reduce carbon deposits, ash accumulation, and combustion inefficiencies commonly associated with residual fuels. Regular treatment contributes to cleaner combustion systems, improved operating efficiency, reduced maintenance requirements, and enhanced equipment reliability in marine and industrial applications.

FEATURES & BENEFITS:

- Increases combustion efficiency and promotes more complete fuel burning.
- Improves fuel atomization for enhanced combustion performance.
- Reduces piston ring groove deposits and piston fouling, helping extend component life.
- Minimizes ash deposits on turbochargers and exhaust valves.
- Reduces smoke emissions and visible exhaust pollution.
- Stabilizes fuel viscosity and helps prevent sludge formation in tanks, filters, and pre-heaters.
- Improves water separation performance in settling tanks and fuel separators.
- Stabilizes residual fuels and minimizes sludge accumulation.
- Reduces soot, carbon deposits, and combustion residues.
- Minimizes low-temperature corrosion by inhibiting sulfur trioxide formation.
- Reduces formation of carbonaceous ash deposits.

APPLICATIONS GUIDELINES:

SHERFUEL CATALYST may be dosed using a metering pump into the suction side of the booster pump for diesel engines or into the burner feed line for boiler applications. Alternatively, the product may be added directly into day tanks prior to refilling or dosed into bunker tanks before fuel transfer.a Calculated Carbon Aromaticity Index (CCAI) value exceeding 840 generally indicates poor fuel quality and may justify the use of chemical fuel treatment to improve combustion performance and fuel handling characteristics. Dosage rates should be adjusted based on fuel analysis results and operating requirements.

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Manufacturing & Sales: Fujairah, UAE | Athens, Greece

Marine and industrial chemicals supplier worldwide.

CERTIFICATIONS & MARINE SUPPLY NETWORKS

ProcureShip SHIPSERV ISO 9001:2015

PS ID: 14754 TN-315946

TREATMENT GUIDELINES:

Fuel Condition / MCR %	Recommended Dosage
MCR 10%	1 L per 4,500 L Fuel
MCR 12%	1 L per 3,500 L Fuel
MCR 14%	1 L per 3,000 L Fuel
MCR 16%	1 L per 2,500 L Fuel
MCR 18%	1 L per 2,000 L Fuel

TYPICAL APPLICATIONS:

Suitable Fuel Types

- Heavy Fuel Oil (HFO)
- Residual Fuel Oil (RFO)
- Marine Bunker Fuels
- High-Viscosity Residual Fuels

Suitable Systems

- Marine Diesel Engines
- Auxiliary Engines
- Industrial Boilers
- Fuel Transfer Systems
- Day Tanks
- Settling Tanks
- Fuel Separators
- Bunker Storage Systems

TYPICAL PROPERTIES:

Property	Typical Value
Appearance	Dark Brown Liquid
Odour	Characteristic Hydrocarbon
Solubility	Dispersible in Fuel
Application	Combustion Catalyst & Fuel Conditioner
Primary Function	Combustion Improvement, Deposit Control &
Fuel Compatibility	Heavy Fuel Oils & Residual Fuels

Typical values are provided for guidance only and should not be considered product specifications.

STORAGE AND HANDLING:

Store in tightly closed containers in a cool, dry, ventilated place. See the latest SDS for safety details.

SHELF LIFE:

24 Months from date of manufacture when stored under recommended conditions.

STANDARD PACKING:

- 25 L Steel Drums

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