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FUELPOWER TSP VLSFO 25 LTR

Product group: 650 Product number: 779114

Unitor™ FuelPower TSP VLSFO is cutting-edge dispersant designed to mitigate high Total Sediment Potential (TSP) off-spec issue (TSP > 0.2%~0.5%) in residual fuel type, including Bio-blended. This product is effective with High Sulphur Fuel Oil (HSFO), VLSFO, and is particularly suitable for Bio-HSFO and Bio-VLSFO blends, making it Bio-ready.



Unitor™ FuelPower TSP VLSFO further prevents asphaltene agglomeration and buildup, keeping residual fuel (including Biofuel) within specification

Product information

In the evolving landscape of marine fuels, stability and compatibility are paramount. Unitor™ FuelPower TSP VLSFO addresses these challenges head-on to prevent severe asphaltene agglomeration and build-up in fuel tank and purifier/filter, providing a reliable solution to improve fuel quality and performance. Unitor™ FuelPower TSP VLSFO could further stabilize those VLSFO which requires long-term storage onboard (over 3 months)

In addition, Unitor™ FuelPower TSP VLSFO enhances purifier separation, prevents agglomeration, and keeps fuel homogeneous, delivering a stable fuel ready for combustion.

Features

- **Enhanced Compatibility & Stability:** Powerful sludge dispersant to further minimize residual fuel stability and compatibility related challenges onboard including Biofuel blends.
- **Treatment to Off-Spec:** Dedicated to high TSP off-spec (0.2%~0.5%) which leads to severe fuel sludging
- **Emergency treatment:** Special chemical treatment to stabilize residual fuel stored onboard for long period (over 3 months)

Benefits

- **Improved Operational Efficiency:** Minimise operational risk of purifier sludging and filter choking, reducing unplanned equipment downtime
- **Excellent Fuel Stability:** Stabilize residual fuel (including Biofuel) in fuel tank, leading to clean fuel tank and easy fuel management onboard
- **Facilitating Combustion:** Facilitate combustion process by homogenising asphaltene sludge, resulting in better combustion efficiency
- Reliable fuel specialty treatment chemicals, with performance verified by major third-party independent labs and technical support that is unmatched in the maritime industry

Specification

General

Invent Hazard Material (IMO/IU) classification	C-6
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Physical properties

Appearance	Clear dark brown liquid
Density [kg/dm ³]	0,99
Flash Point [°C]	>60
Form	Liquid

Documents

[SDoC and MD for IHM](#)

Directions for use

Ideally, Unitor™ FuelPower TSP VLSFO should be dosed directly into the bunker tank prior to bunkering. Dosage rates are best determined from the results of fuel analysis, i.e. sediment content or compatibility test which is easily performed on board using the Compatibility Test Kit.

ASTM SPOT	1	2	3	4	5
DOSE RATE	N/A	1:5000 (200 ppm)	1:2000 (500 ppm)	1:1000 (1000 ppm)	1:500 (2000 ppm)

TSP level	Dosage (ppm)	Comment
<0,1 %	1:5000 (200 ppm)	With a TSP out of specification it is important to have a good impact on the sludging and to be able to bring the fuel back into specification.
0,1–0,2	1:2000 (500 ppm)	With a TSP out of specification it is important to have a good impact on the sludging and to be able to bring the fuel back into specification.
0,2–0,3	1:1000 (1000 ppm)	With a TSP out of specification it is important to have a good impact on the sludging and to be able to bring the fuel back into specification.
0,3–0,4	1:500 (2000 ppm)	A fuel with a TSP over 0,3 needs a higher dosage to impact the TSP. Even if the wanted specification cannot be reached the product will greatly improve the stability of the fuel.
0,4+*	1:333 (3000 ppm)	We do not recommend using these fuels as they can be difficult to bring back into specification. Even if the wanted specification cannot be reached the product will greatly improve the stability of the fuel.

* Avoid using this fuel if possible.

If test results are not available, an initial dose of 1:1000 is recommended, and adjustments made, as necessary.

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