

Last updated: 19/06/2025 02:22:26

FUEL POWER CONDITIONER 25 LTR

Product group: 650 Product number: 778785

Unitor™ FuelPower Conditioner is the world's market-leading solution for asphaltenic sludge control. It functions primarily as a powerful dispersant and stabilizer, preventing sludge formation while keeping fuel tanks clean. This product is effective with High Sulphur Fuel Oil (HSFO), Very Low Sulphur Fuel Oil (VLSFO), and can be applied also for Bio-HSFO and Bio-VLSFO blends.



Excessive purifier sludging and sedimentation of residual fuels are common challenges onboard that can be minimized with Unitor™ FuelPower Conditioner.

Product information

This product supersedes product no: 766154

As modern marine fuels become more complex particularly with the blending of low-sulphur and Bio-blended fuels, fuel stability and compatibility between different types of fuel are growing concerns. Unitor™ FuelPower Conditioner addresses these issues by stabilising fuels and reducing asphaltene sludge formation in the fuel oil system. It simplifies the onboard management of residual blends, including Bio-HSFO and Bio-VLSFO.

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

Features

- **Compatibility & Stability:** Reduce residual fuel type (HFO/Bio-HFO, VLSFO/Bio-VLSFO) related compatibility & stability challenge onboard
- **Sludge Prevention:** Disperse and stabilize asphaltene sludge in residual fuel
- **Agglomeration Prevention:** Prevents further agglomeration of asphaltene in unstable fuels, reducing purifier sludging and filter choking

Benefits

- **Improved Operational Efficiency:** Minimise operational risk of purifier sludging and filter choking, reducing unplanned equipment downtime
- **Enhanced Fuel Stability:** Stabilize residual fuel (including Biofuel) in fuel tank, leading to clean fuel tank and less fuel tank cleaning prior to dry docking & fuel changing
- **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
--	-----

Physical properties

Appearance	Clear, light brown
Density [kg/dm3]	0,84
Flash Point [°C]	>61
Form	Liquid

Technical data

Not Compatible	May swell rubber and synthetic rubber
----------------	---------------------------------------

Documents

[LoNo FuelPower Conditioner_renewed 2025](#)

[SDoC and MD for IHM](#)

Directions for use

Dosage and Control

Ideally, FuelPower Conditioner should be dosed directly into the bunker tank prior to bunkering. However, it can be introduced to the settling tank or during transfer from storage. 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	**1:25 000	1:15 000	1:10000	1:5000	*1:2500

TSP level	Dosage (ppm)	Comment
0,01–0,03	1:25 000 (40 ppm)	Due to the indication of poor reserve stability of some VLSFO, we advise a low protective dosage.
0,03–0,06	1:20 000 (50 ppm)	When the TSP increases the reserve stability of the fuel will also be poorer, so we advise a low protective dosage.
0,06–0,1	1:15 000 (67 ppm)	Once the TSP approaches the max specification sludging will most likely occur. Reserve Stability will also be poor, so a higher dosage is recommended.
0,1–0,2	1:10 000 (100 ppm)	With a TSP out of specification it is important to have a good impact on the sludging with a higher dosage.
0,2–0,5	1:5 000 (200 ppm)	A far-off spec TSP fuel is never a good idea to use but when it occurs it is important to be able to reduce sludging and operational impact as much as possible.
*0,5+	1:1 000 (1000 ppm)	We would not recommend using any of these fuels but if there is no choice a high dosage needs to be used to have a chance to reduce the sludging from these fuels

* Avoid using this fuel if possible.

** Fully compatible blends, with a sediment percentage of less than 0.05, should not require treatment for incompatibility. Marginal number 1 spots may cause sludging if the fuel is not handled carefully, so some treatment may be necessary, especially if other problems such as water content or corrosion are apparent.

Fuel tank cleaning

The average dosage for FuelPower Conditioner is 1:15 000 or 67 ppm. When starting a dosage into a fuel tank it is advisable to use a staged dosage to avoid high amounts of sludge from the fuel into purifiers and filters. This is especially important if the fuel tank has not been cleaned for an extended period of time. With a stage dosing smaller amounts of sludge will be picked up and over a longer period of time.

DOSING	DOSAGE LEVEL	COMMENT
1st Time	1:25 000	Initial dosage not to upset the tank
2nd Time	1:20 000	Second and third dosages can be done a bit higher as most of the easily available sludge will be gone
3rd time and forward	1:15 000	From the 3rd dosage and forward the recommended dosage of 1:15 000 can be used

Related products

Is frequently bought together with

- 765018
ENVIROCLEAN 25 LTR
- 773153
UNITOR COMPATIBILITY TEST KIT
- 571364
VAPTREAT 25LTR
- 698720
AUTOTREAT - 25 LTR
- 571687
DISCLEAN 25 LTR