

# VANASOLVENT

Especially Formulated for Medium Speed Diesel Engines Treatment

## Technical Information

### Physical Data

Appearance:	Brown liquid
Specific Gravity:	approx 0.95 at 20°C
Flash Point:	82°C (C.O.C.)
Corrosive action:	Metals: None Rubber: Slight swellin

### Description

Liquid compound that contains chemical agents proven effective in greatly reducing the harmful effects of vanadium oxides and sodium salts in diesel engines. Adding VANASOLVENT to bunker fuel forms a complex, which deactivates the VANADIUM and SODIUM common in heavy bunker fuels. The melting point of VANADIUM PENTOXIDE is 675°C, and SODIUM SULFATE is 880°C. When VANASOLVENT is employed, the complexes formed with VANADIUM and SODIUM SULFATE by the chemical in VANASOLVENT melt at about 1100°C.

### Applications

For both steam and motor vessels burning heavy fuel oils to:

- ▶ Improve combustion efficiency.
- ▶ Reduce corrosion.
- ▶ Disperse sludge and separate water.

### Advantages

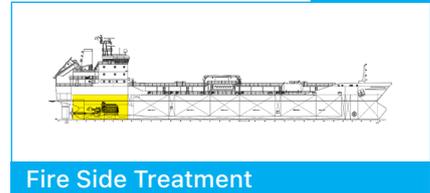
- ▶ Reduces high-temperature corrosion.
- ▶ Extends the life of exhaust valves, cylinders, etc.
- ▶ Reduces the corrosion effects of Vanadium and Sodium impurities.
- ▶ Reduces smoke, carbon, and ash deposits.
- ▶ Reduces unburnt particles and soot emissions.
- ▶ Limits fouling of turbochargers.
- ▶ Separates emulsified water and helps water separation at the separator.
- ▶ Improves atomization and combustion.

### Directions for Use

Introduce VANASOLVENT as follows:

- Manually** into the tank prior to or during bunkering; the fuel movement on entering the tank blends the product completely.
- Automatically**, by means of a metering pump, into the fuel system. The metering pump is recommended for this use.

#### USAGE AREAS



#### PACKAGING



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## Product Dose

Dosage requirements depend on the quality of the fuel oil to be treated. VANASOLVENT can be added directly to the day tank by means of a dosing pump, but it is preferable to dose the product directly to the fuel oil service line prior to the service pump. Dosage requirements depend on the nature and amount of impurities, but the typical dosage rate is 1 liter of VANASOLVENT per 4 tons of fuel oil, considering a normal VANADIUM level of 100 PPM. To establish a more accurate and cost-efficient dosage rate, it could be useful to test or know the VANADIUM content at each bunkering.

## Health Safety and Environment (HSE)

Uniservice Unisafe Srl have carefully developed their products to minimize the safety risks and environmental impact of using their products. However, Uniservice advises that, prior to using its products, users should read in detail the accompanying Safety Data Sheet and ensure that its products are applied within the required HSE regulations of the country in which the user operates. Best practice and safety requirements should be followed which will likely include method statements and risk assessments, together with any specific requirements of the user's own company HSE requirements.

## Important Notice

While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, this information is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you do a test to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth, or that the products, designs, data or information may be used without infringing the intellectual property rights of others. In no case shall the descriptions, information, data or designs provided be considered a part of our terms and conditions of sale. Further, you expressly understand and agree that the descriptions, designs, data and information furnished by Uniservice Unisafe Srl hereunder are given gratis, and Uniservice Unisafe Srl assumes no obligation or liability for the description, designs, data and information given or results obtained, all such being given and accepted at your risk. Product

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## Contact

For further information, please contact your local Uniservice Unisafe sales representative or get in touch with us:

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