

UniClean America

FEATURES AND BENEFITS

- **Reduces High-Temperature Corrosion:** Protects sensitive engine components from corrosive ash deposits.
- **Improves Combustion Efficiency:** Ensures better fuel combustion, reducing unburned particles and soot emissions.
- **Keeps Components Clean:** Maintains clean exhaust valves and turbochargers, reducing maintenance needs.
- **Separates Water:** Enhances water separation in fuel, preventing emulsified water from causing issues.
- **Extends Engine Life:** Protects valves, cylinders, and other critical components, extending their lifespan.
- **Reduces Acid Formation:** Minimizes acid formation in the exhaust system, protecting against corrosion.
- **Complex Formation:** Deactivates vanadium and sodium impurities, forming complexes that melt at approximately 1100°C.
- **Versatile Use:** Suitable for use in both steam and motor vessels.
- **Efficiency:** Enhances fuel combustion, reducing unburned particles and soot emissions.
- **Protection:** Reduces fouling in turbochargers, exhaust valves, and economizers.
- **Corrosion Reduction:** Minimizes corrosion caused by vanadium and sodium impurities.

UCA+ VALVE CARE

PRODUCT DESCRIPTION:

Introducing UCA+ VALVE CARE, a cutting-edge liquid compound designed to safeguard your diesel engines from the harmful effects of vanadium oxides and sodium salts. Formulated with advanced chemicals, UCA+ VALVE CARE effectively deactivates these impurities, enhancing combustion efficiency and protecting engine components. By raising the melting points of vanadium pentoxide and sodium sulfate complexes, UCA+ VALVE CARE ensures optimal performance and longevity for your engines, even under the harshest conditions.

APPLICATIONS: UCA+ VALVE CARE is ideal for use in steam and motor vessels burning heavy fuel oils. It is specifically designed to:

- Improve combustion efficiency
- Reduce high-temperature corrosion
- Disperse sludge and separate water
- Protect diesel engine valves from failure

DIRECTIONS FOR USE:

1. **Manual Introduction:** Add UCA+ VALVE CARE manually into the fuel tanks prior to or during bunkering. The fuel movement will blend the product completely with the fuel.
2. **Automatic Dosing:** Alternatively, dose UCA+ VALVE CARE automatically into the fuel oil service line prior to the service pump using a metering pump.
3. **Dosage Rate:** The typical dosage rate is 1 liter of UCA+ VALVE CARE per 4 tons of fuel oil, considering a normal vanadium level of 100 ppm. Adjust the dosage based on the vanadium content at each bunkering for optimal results.

Why Choose UCA+ VALVE CARE? UCA+ VALVE CARE offers a comprehensive solution for maintaining the health and efficiency of your diesel engines. Its advanced formulation not only improves combustion and reduces harmful emissions but also extends the life of your engine components by protecting against high-temperature corrosion and fouling. With UCA+ VALVE CARE, you can ensure the reliability and performance of your engines, reducing unscheduled maintenance and costly breakdowns.

Experience the superior protection and efficiency of UCA+ VALVE CARE, and keep your engines running smoothly and efficiently. Choose UCA+ VALVE CARE for a cleaner, safer, and more effective solution to your engine maintenance needs.



EXCELLENT QUALITY

ENVIRONMENTAL ECOFRIENDLY

UniClean America

DOSAGE CHART:

Vanadium (ppm)	Sodium (ppm)	Tons of Fuel
50	4	5
100	4.75	4
150	3.25	3.5
200	2.5	2.5
300	1.25	1.25
400	1.0	1.0
500	0.75	0.75

Example: For a fuel containing 100 ppm vanadium and 50 ppm sodium, the dosage rate will be 1 liter of UCA+ VALVE CARE per 4 tons of fuel.

CRUCIAL NOTICE:

Unlock the Safety Data Sheets (SDS) for UniClean America's products—your compass for health and safety when handling our chemicals. Before diving into our products, every manager and employee must delve into these sheets to ensure a smooth sail through safe usage.

We are committed to providing precise and dependable information. Nevertheless, it's on you, the user, to wield and employ our product prudently, fully aligned with all laws and regulations. UniClean America and our suppliers don't guarantee any warranties—explicit or implied—pertaining to the product, including its marketability. This product is exclusively offered for your scrutiny and trials. This information does not extend any patents or licenses, either stated or inferred.



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