

# UniClean America

## FEATURES AND BENIFITS

- **Rapid Alkalinity Adjustment:** Swiftly balances alkalinity for effective water treatment.
- **Alkalinity Maintenance:** Ensures consistent alkalinity levels within optimal parameters.
- **Scale Management:** Facilitates hardness salts precipitation, aiding in boiler blowdown preparation.
- **Acid Neutrality:** Counters acidic conditions, stabilizing boiler pH for equipment protection.
- **Silica Scale Prevention:** Halts silica deposition, maintaining system efficiency.
- **Improved Hardness Control:** Creates ideal conditions for efficient hardness management.
- **Salts Management:** Assists in the precipitation and removal of magnesium and calcium salts.
- **Easy Testing:** Compatible with UniClean America Test Kit for simplified monitoring.

## UCA+ ALKALINITY CONTROL

Discover UniClean America ALKALINITY CONTROL, a powerful, concentrated liquid formulation designed to deliver a potent source of alkalinity. Perfectly tailored for marine steam boiler systems, it serves as the primary alkalinity builder, enhancing system performance and reliability. As a key component of UniClean America's comprehensive boiler water and steam condensate treatment program, UCA+ ALKALINITY CONTROL synergizes with other products to ensure optimal results. Its versatility extends further, doubling as an effective neutralizing agent following descaling procedures involving acidic chemicals. Trust UCA+ ALKALINITY CONTROL for superior system maintenance and performance.

### USAGE GUIDELINES:

UCA+ ALKALINITY CONTROL is indispensable for establishing alkaline conditions in boiler water, ensuring optimal corrosion and scale deposition control. It forms an integral part of a comprehensive treatment regimen.

**Application Method:** For best results, administer UCA+ ALKALINITY CONTROL directly into the boiler using an automatic dosing unit or through a bypass pot-feeder integrated into the boiler feed line.

### DOSAGE AND MONITORING:

Maintain appropriate treatment levels by testing for p-Alkalinity, with dosage rates determined by boiler pressure and type. Typically, adding 225 ml per ton of water will elevate p-Alkalinity by 100 ppm.

### CONTROL LIMITS RECOMENDATIONS:

To ensure optimal boiler performance and longevity, it is crucial to adhere to the following recommended control limits:

- **P-Alkalinity:** Maintain levels between 100 to 150 ppm for boilers operating in the 0 – 30 bar range, and between 100 to 120 ppm for boilers operating in the 30 – 60 bar range.
- **M-Alkalinity:** Keep M-Alkalinity levels below twice the P-Alkalinity level to mitigate potential issues and uphold system efficiency.

**Analysis and Testing:** Perform analysis using UniClean America boiler water test kits for accurate monitoring and adjustment.

### PHYSICAL PROPERTIES:

Appearance:	Colourless
Density [g/ml]:	1.3
Form:	Liquid
PH::	13 to 14



EXCELLENT QUALITY

ENVIROMENTAL ECOFRIENDLY

✓ CLEAN SHIP

✓ CLEAN SEA

✓ CLEAN TANK

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## 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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ENVIROMENTAL ECOFRIENDLY