

UniClean America

FEATURES AND BENIFITS

- **Efficient Scale Prevention:** Converts hardness salts into non-adherent sludge, easily removable by blowdown, preventing scale formation.
- **Optimal Phosphate Levels:** Maintains phosphate levels to avoid scale and corrosion, ensuring the boiler operates at peak efficiency.
- **Easy Application:** Liquid formulation allows for straightforward dosing and mixing.
- **Versatile Use:** Suitable for all types of boilers and pressures.
- **Simple Control:** Easy to test and control treatment levels with a simple test kit.
- **Economic Efficiency:** Reduces the need for frequent chemical cleaning, saving on maintenance costs.
- **Safe and Non-corrosive:** Ensures safe use with no harmful reactions when used with other boiler treatment chemicals (avoid mixing with oxygen scavengers or corrosion inhibitors).
- **Enhanced Performance:** Keeps boilers running efficiently by preventing scale buildup.
- **Longer Equipment Life:** Protects boiler components from corrosion and wear, extending their lifespan.
- **Environmental Responsibility:** Biodegradable and environmentally friendly, safe for marine and industrial applications.
- **Cost-Effective:** Reduces maintenance and cleaning costs, providing economic value.

UCA+ HARDNESS CONTROL

PRODUCT DESCRIPTION:

Unlock the ultimate protection for your boiler systems with UCA+ HARDNESS CONTROL. This highly efficient, alkaline liquid phosphate formulation is meticulously designed to prevent scale formation in both high and low-pressure boilers. UCA+ HARDNESS CONTROL ensures optimal boiler performance by preventing calcium and magnesium ions from adhering to metal surfaces, thus facilitating easy removal through blowdown.

APPLICATIONS:

UCA+ HARDNESS CONTROL is perfect for maintaining the cleanliness and efficiency of your boiler systems. Whether you're dealing with high-pressure or low-pressure boilers, this liquid phosphate treatment keeps your systems free from harmful scale deposits and maintains an optimal phosphate balance.

DIRECTIONS FOR USE:

1. **Initial Dosage:** For untreated water, add 250 ml of UCA+ HARDNESS CONTROL per ton of water to achieve a phosphate increase of 10 ppm.
2. **Regular Dosage:** Maintain the optimum phosphate level by dosing 200 ml/l directly into the boiler via a by-pass pot feeder or a chemical dosing tank. For low-pressure boilers, it can also be dosed into the hotwell or condensate return tank.
3. **Control and Testing:** Regularly test boiler water phosphate levels to adjust dosage as necessary. The recommended control limits are:
 - Phosphate: 20-40 ppm for low-pressure boilers, 10-30 ppm for high-pressure boilers.
 - Hardness: Zero

Choose UCA+ HARDNESS CONTROL to ensure your boilers remain scale-free and operate efficiently. With its advanced formulation and easy application, you can trust UCA+ HARDNESS CONTROL to keep your systems running smoothly and reliably.

PHYSICAL PROPERTIES:

Appearance:	Off White
Density [g/ml]:	1.1
Form:	Liquid
PH:	13 - 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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