

# UniClean America

## FEATURES AND BENEFITS

- **Corrosion Inhibitors:** Contains nitrite, borate, and organic-based inhibitors for comprehensive protection.
- **Scale Prevention:** Prevents the formation of hard scale deposits, ensuring smooth operation.
- **Microscopic Protective Film:** Deposits a thin protective layer on surfaces to prevent corrosion.
- **pH Buffering:** Maintains optimal pH levels to enhance the efficiency of the cooling system.
- **Highly Effective:** Anodic inhibitor treatment that protects both ferrous and non-ferrous metals.
- **Built-In pH Buffering:** Ensures stability and effectiveness of the treatment.
- **Compatible with Glycols:** Works seamlessly with glycol-based antifreeze for frost protection.
- **Non-Damaging:** Will not harm seals, glands, packing, hoses, and gaskets.
- **Simple Control:** Easy to dose and control with straightforward testing procedures.
- **Approved by Major Manufacturers:** Meets the standards of leading engine manufacturers.
- **Enhanced Protection:** Prevents corrosion and scale, extending the life of your cooling system components.
- **Improved Efficiency:** Maintains clean cooling systems, ensuring optimal engine performance.
- **Easy to Use:** Simple application and dosing, with clear guidelines for maintenance.
- **Cost-Effective:** Reduces the need for frequent maintenance and repairs, saving time and money.

## UCA+ CWT COOL TREAT NCLT

### PRODUCT DESCRIPTION:

Elevate your engine's cooling system maintenance with UCA+ CWT COOL TREAT NCLT, a state-of-the-art liquid treatment designed to prevent corrosion and scale formation in closed circuit cooling water systems. This advanced formulation combines powerful corrosion inhibitors and scale preventatives to ensure your cooling system remains clean, efficient, and protected.

### APPLICATIONS:

UCA+ CWT COOL TREAT NCLT is ideal for use in:

**High-Efficiency Diesel Engines:** Ensures optimal performance by maintaining clean and efficient cooling systems.

**Closed Circuit Cooling Water Systems:** Protects all types of engines and recirculating water systems from corrosion and scale buildup.

**Systems Requiring Frost Protection:** Compatible with glycols for enhanced frost protection.

### DIRECTIONS FOR USE:

1. **Initial Dosage:** Add 10.3 liters of UCA+ CWT COOL TREAT NCLT for every ton of cooling water to achieve the initial nitrite concentration.
2. **Maintenance Dosage:** Adjust dosage based on the nitrite concentration:
  - 200 ppm: 9.6 liters per m<sup>3</sup>
  - 400 ppm: 8.2 liters per m<sup>3</sup>
  - 600 ppm: 6.2 liters per m<sup>3</sup>
  - 800 ppm: 4.8 liters per m<sup>3</sup>
  - 1000 ppm: 3.4 liters per m<sup>3</sup>
  - 1200 ppm: 2.1 liters per m<sup>3</sup>
  - 1500-2000 ppm: No additional dosing required.
3. **Application:** Dose UCA+ CWT COOL TREAT NCLT directly into the system at a point of high circulation. Avoid adding to the expansion tank if circulation is minimal.
4. **Testing and Control:** Regularly test nitrite levels using the UCA NITRITE DROP KIT to maintain the recommended nitrite concentration (1200-1500 ppm).

Note: Always use good quality demineralized water or reverse osmosis water for the best results. Avoid mixing with shore water or potable water to prevent scale and corrosion from impurities.

### Cooling Water Condition Recommendations:

- **Nitrite:** 1200 – 1500 ppm
- **Chloride:** Below 100 ppm Cl
- **Hardness:** Below 180 ppm CaCO<sub>3</sub>
- **pH:** 8.3 – 10



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Choose UCA+ CWT COOL TREAT NCLT for superior protection and maintenance of your engine's cooling system. Ensure long-lasting efficiency, reduced maintenance costs, and optimal performance with our advanced, easy-to-use treatment solution.

## PHYSICAL PROPERTIES:

Appearance:	Light Pink
Density [g/ml]:	1.3
Form:	Liquid
PH:	13.2 -14

## 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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