

UniClean America

UCA+ NEUTRAL DE-SCALE & RUST ECO

FEATURES AND BENEFITS

- ✓ non-acid-based chelating action – safe yet highly effective.
- ✓ Removes rust, corrosion, scale, metal soaps, lime and fouling
- ✓ Ideal for cooling systems, tanks, heat exchangers, CIP systems, toilets, and marine cleaning applications.
- ✓ Reduces overheating risks by restoring heat exchange surfaces to optimal condition.
- ✓ Noncorrosive, not acidic, not alkaline, compatible with all metals
- ✓ Single product for multiple cleaning needs, reducing chemical inventory.
- ✓ Compatible with polyurethane, epoxy, and stainless-steel surfaces (not recommended for zinc coatings).
- ✓ Economical dilution rates for cost-effective use.
- ✓ Easy to apply; no need for disassembly of cooling systems.

PRODUCT DESCRIPTION:

UCA+ NEUTRAL DE-SCALE & RUST ECO is new developed formula, a highly concentrated, non-acid-based, engineered for powerful removal of rust, corrosion, scale, metal soaps, fouling, uric acid, lime deposits, oil & grease and general cooling system contamination, of heat exchanger, radiator, engine cooler, tubes, pipes & sheets and commissioning cleaner.

Its unique formulation combines high-performing surfactants with non-acidic agent and advanced chelating agents, ensuring maximum cleaning efficiency while being safe for use on most metal surfaces.

This versatile cleaner is ideal for marine, offshore, oilfield & industrial, and engine generator, cooling system applications, bulk tanks restoring surfaces and systems to like-new cleanliness without disassembly, reducing cleaning time, and improving operational efficiency.

UCA+ NEUTRAL DE-SCALE & RUST ECO is the only product that remove, rust and scale without containing acid, neutral PH and compatible with all metals and non-corrosive, in addition it will remove oil and grease in one single product.

Applications

Engine & Generator Cooling Systems:

Removes rust, scale, corrosion, solder bloom, scale, oil, marine fouling, and restores heat transfer efficiency. Recommended as the first line of defence against overheating problems.

Marine & Tank Cleaning:

Removes metal soaps, vegetable oil fatty acids, carbonate residues, amine residues, and hardness deposits in a single cleaning cycle.

General Industrial Cleaning:

Effective for heat exchangers, CIP systems, toilets, tanks, and other equipment requiring safe acidic

USAGE GUIDELINES:

➤ Tank Cleaning:

- Prewash tanks at a temperature at least 45°C above cargo melting point.
- Prepare 5% – 15% solution and recirculate for two full cleaning cycles.
- Rinse thoroughly with fresh water to remove salt deposits.

➤ General Cleaning:

- Dilute according to contamination level and system capacity.
- Apply by recirculation or manual cleaning.
- Rinse thoroughly after use.



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➤ Cooling Systems:

- Drain coolant and flush system with clean water.
- Prepare a 5% – 25% solution depending on contamination level
- Fill system with solution and circulate for 45 minutes to 2 hours, depending on contamination level.
- Drain and rinse thoroughly with fresh water.
- Refill with recommended coolant.

Safety & Handling

- **Handling:** Use protective equipment. Store in a cool, dry area. Avoid direct contact with skin and eyes.
- **Eye Contact:** Flush immediately with plenty of water. Seek medical attention if irritation persists.
- **Skin Contact:** Wash with soap and water after exposure.
- **Inhalation:** Avoid breathing vapours. Move to fresh air if inhaled.
- **Ingestion:** Rinse mouth. Do not induce vomiting. Seek immediate medical attention.

Physical Properties

- **Appearance:** Clear, colorless liquid
- **Relative Density:** 1.1 – 1.25
- **pH:** 5.0 – 6.0
- **Form:** Liquid

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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