

UniClean America

FEATURES AND BENIFITS

- **Highly concentrated and effective:** Fast and efficient removal of scale and iron oxides.
- **Protective formulation:** Contains corrosion inhibitors to protect ferrous metals from acid attack.
- **Versatile application:** Suitable for a variety of systems and components.
- **Cost-effective:** Reduces maintenance downtime and operational costs.
- **Easy to use:** Simple application methods and easy to rinse off and neutralize.
- UCA DESCALING LIQUID SUPER provides a comprehensive solution for maintaining the efficiency and longevity of your industrial equipment by effectively removing scale and rust, ensuring optimal performance and reduced maintenance needs.
- Experience the unmatched performance and reliability of UCA DESCALING LIQUID, your go-to solution for maintaining pristine, efficient equipment.

UCA DESCALING LIQUID

PRODUCT DESCRIPTION:

Introducing UCA DESCALING LIQUID, a powerhouse solution for tackling the toughest scaling and rust challenges. This highly concentrated, heavy-duty acid compound is meticulously formulated with advanced corrosion inhibitors and surfactants, ensuring safe and effective descaling across a variety of equipment. Whether you're dealing with boilers, condensers, evaporators, heat exchangers, or cooling systems, UCA DESCALING LIQUID delivers exceptional results.

APPLICATIONS:

- Efficiently removes scale and rust from boilers, condensers, evaporators, heat exchangers, cooling systems, pipeline collection systems, and more.
- Ideal for use in both closed systems with circulation and open systems using the soaking method.

DIRECTIONS FOR USE: Circulation Method:

1. Pre-treatment: If the deposits are covered with oil or grease, pre-treat with a 2-8% solution of a degreasing agent like CARGOCLEAN - AQUATUFF HF/HD, UCA CARBON REMOVER, or UCA+ SEACLEAN PLUS. Circulate this solution for 4-6 hours at 60°C.
2. Descaling: Use a 7-12% solution of UCA DESCALING LIQUID. Circulate the solution for 2-6 hours for hardness scale and 12-22 hours for iron oxide scale, depending on the nature and state of the deposits.
3. Venting: Ensure the circuit is vented at the highest point to release gases produced during descaling. Heating the solution to 40°C can increase the process rate.
4. Monitoring: Regularly check the acid concentration of the solution. If it drops to less than half the initial concentration, add more UCA DESCALING LIQUID.
5. Completion: Once descaling is complete, drain the system, rinse thoroughly with water, and neutralize with a 1% solution of UCA+ALKALINITY CONTROL.

Soaking Method:

1. Pre-treatment: Follow similar pre-treatment steps as the circulation method.
2. Descaling: Use a 26% solution of UCA DESCALING LIQUID at 45-55°C. Periodically agitate the solution to maintain the reaction rate and acidity.
3. Rinsing: After soaking, rinse the system thoroughly with water and neutralize with a 1% solution of UCA+ALKALINITY CONTROL.

PHYSICAL PROPERTIES:

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|-------------------|---------------------------------------|
| Appearance: | Clear Red Liquid |
| Specific Gravity: | 1.15 - 1.17 g/cm ³ at 20°C |
| Odor: | Pungent |
| pH (1% Solution): | 0.5 - 2.0 |



EXCELLENT QUALITY
ENVIROMENTAL ECOFRIENDLY

UniClean America

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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