

UniClean America

FEATURES AND BENIFITS

- **Efficient Removal:**
Effectively removes soot and fire-scale deposits, improving heat transfer and reducing the risk of soot fires.
- **Prevents Corrosion:**
Neutralizes acids in flue gases, reducing cold-end corrosion and extending the life of your equipment.
- **Improves Efficiency:**
Enhances boiler and engine efficiency by maintaining clean exhaust systems, leading to lower fuel consumption and operational costs.
- **Easy Application:** Can be applied without shutting down the boiler or plant, minimizing downtime.
- **Environmental Benefits:**
Reduces the discharge of cleaning water to the sea and complies with environmental regulations.

UCA+ SOOT REMOVER LIQUID

PRODUCT DESCRIPTION:

UCA+ Soot Remover Liquid is a highly effective blend of mineral-based salts, slag modifiers, and carbon oxidation catalysts designed to safely and efficiently remove soot deposits in boiler and diesel engine exhaust systems. This advanced formulation transforms stubborn soot and fire-scale deposits into dry, powdery ashes that are easily removed, enhancing the overall efficiency and performance of your equipment.

APPLICATIONS: UCA+ Soot Remover Liquid is ideal for:

- Boiler furnaces
- Superheaters
- Economizers
- Air heaters
- Exhaust paths/stacks

DIRECTIONS FOR USE:

For Boilers:

1. **Determine the Quantity:** Calculate the required amount of UCA+ Soot Remover Liquid based on the fuel consumed per boiler per day using the dosage chart provided.
2. **Injection Method:**
 - Introduce the appropriate amount of UCA+ Soot Remover Liquid into the boiler using either a portable or fixed soot blowing injector.
 - Ensure the liquid is evenly distributed throughout the flame path, particularly towards the back of the combustion chamber.

For Main Engines:

1. **Injection Point:**
 - Inject UCA+ Soot Remover Liquid directly into the exhaust system upstream of the area to be treated.
 - It is recommended to use a dosing system for optimal results. However, existing soot injector systems will also be effective.



EXCELLENT QUALITY
ENVIROMENTAL ECOFRIENDLY

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DOSAGE CHART FOR BOILERS:

Steam Raised (ton/hour)	Fuel Use (ton/day)	Dosage Rate (l/day)
3	6	1.0
6	12	2.0
9	18	3.0
12	22	3.5
15	28	4.0
23	42	4.5
31	55	5.0
46	85	5.5
62	120	6.5

FOR MAIN ENGINES:

Fuel Consumption (ton/day)	Dosage Rate (l/day)
10	1.25
20	2.75
30	3.25
40	3.75
50	4.25

USAGE TIPS:

- Always ensure the system is vented during descaling operations to prevent the accumulation of gases like carbon dioxide and hydrogen.
- Avoid using UCA+ Soot Remover Liquid on aluminum, zinc, tin, and their alloys, as well as galvanized surfaces.

With UCA+ Soot Remover Liquid, maintain the cleanliness and efficiency of your boilers and diesel engines, ensuring optimal performance and reduced maintenance costs.



EXCELLENT QUALITY
ENVIRONMENTAL 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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