

UniClean America

FEATURES AND BENEFITS

- **Neutralizes Acids:** Effectively neutralizes acids in flue gas, reducing the risk of cold-end corrosion.
- **Prevents Soot Fires:** Reduces the likelihood of soot fires by transforming soot and slag deposits into dry, powdery ashes that are easily removed.
- **Enhances Efficiency:** Improves the condition of combustion gas passes in boilers burning heavy fuel oil, enhancing heat transfer and overall boiler efficiency.
- **Reduces Maintenance Costs:** Decreases the frequency and costs of cleaning by extending the time between maintenance intervals.
- **No Shutdown Required:** Allows for continuous dosing without the need to shut down the boiler or plant.

UCA+ SOOT REMOVER POWDER

PRODUCT DESCRIPTION:

Introducing UCA+ SOOT REMOVER POWDER, the ultimate solution for maintaining pristine boiler and diesel engine exhaust systems. This dry powder compound, enriched with a unique blend of mineral-based salts, slag modifiers, and carbon oxidation catalysts, is designed to tackle the toughest soot deposits efficiently and safely. Whether you're dealing with boiler furnaces, superheaters, economizers, air heaters, or exhaust paths, UCA+ SOOT REMOVER POWDER ensures optimal performance and longevity of your equipment.

APPLICATIONS: UCA+ SOOT REMOVER POWDER is ideal for removing unburned carbon slag deposits from a wide range of systems, including:

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

DIRECTIONS FOR USE:

Boilers:

1. **Determine Dosage:** Calculate the required quantity based on the amount of fuel consumed per boiler per day using the dosage chart below.
2. **Application:** Introduce the appropriate amount of UCA+ SOOT REMOVER POWDER into the boiler using a portable or fixed soot blowing injector. Ensure even distribution throughout the flame path, targeting the back of the combustion chamber.

Why Choose UCA+ SOOT REMOVER POWDER? UCA+ SOOT REMOVER POWDER is more than just a cleaner; it's a proactive maintenance solution that ensures your boiler and exhaust systems remain in top condition. By lowering the ignition temperature of soot to below 280°C, this powerful cleaner makes it easier to ignite and remove carbon deposits, resulting in a cleaner, more efficient system. With UCA+ SOOT REMOVER POWDER, you can enjoy longer intervals between cleanings, reduced operational costs, and enhanced equipment longevity.

Experience the difference with UCA+ SOOT REMOVER POWDER, and keep your systems running smoothly and efficiently.



EXCELLENT QUALITY
ENVIRONMENTAL ECOFRIENDLY

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DOSAGE CHARTS

For Boilers:

Steam Raised (ton/hour)	Fuel Use (ton/day)	Dosage Rate (kg/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

Main Engine:

1. **Injection:** Inject UCA+ SOOT REMOVER POWDER directly into the exhaust system upstream of the area to be treated.
2. **Recommended System:** Utilize a dedicated soot dosing system or any existing soot injector system.

Dosage Chart 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



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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