



Technical Data Sheet (TDS)

ASHAION® CT 161 Condensate Treatment (Filming Amine)

Product Overview:

ASHAION® CT 161 is a highly effective condensate treatment chemical formulated with advanced filming amine technology. It forms a robust protective film on condensate pipework surfaces, offering excellent protection against corrosion caused by aggressive condensate.

Application:

ASHAION® CT 161 is specifically designed for use in boiler condensate systems across various industries, including power generation, manufacturing, pharmaceutical, food processing, and petrochemicals.

Features and Benefits:

- Creates a durable, hydrophobic protective film on metal surfaces.
- Significantly reduces corrosion rates.
- Enhances equipment lifespan and reliability.
- Minimizes maintenance and operational downtime.
- Suitable for systems operating under varying conditions.
- Safe and easy to handle with excellent dispersibility.

Physical & Chemical Properties:

Property	Specification
Appearance	Clear to pale amber liquid
Odour	Mild
pH (as supplied)	10.0 – 12.0
Specific Gravity (25°C)	0.98 – 1.05
Solubility	Completely soluble in water
Flash Point	Non-flammable

Dosage & Feeding Guidelines:

Typical dosage ranges from 5 to 20 ppm based on system parameters and severity of conditions. ASHAION® CT 161 should be fed continuously via a chemical dosing pump directly into the condensate return line or steam header for optimal protection.

Handling and Safety:

Use appropriate protective gear, including gloves, goggles, and protective clothing. Avoid direct skin and eye contact. In case of accidental exposure, rinse thoroughly with water and seek medical advice. Refer to the Safety Data Sheet (SDS) for detailed handling information.

Storage:

Store in original, sealed containers in a cool, dry area away from direct sunlight and extremes of temperature. Maintain temperatures between 5°C to 35°C.

Shelf Life:

12 months from the date of manufacture, under recommended storage conditions.

Packaging:

Available in 25 kg, 200 kg HDPE drums, and 1000 kg IBC containers.

Compliance:

Manufactured following ISO 9001:2015 Quality Management Standards.

Note:

This data is provided as general guidance and is based on our best knowledge. Users should conduct their own testing to determine product suitability for specific applications.

Contact Information:

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