



Poly Aluminium Chloride PAC10

CAS Number: 1327-41-9

Chemical Formula: $[Al_2(OH)_nCl_{6-n}]$

PAC10 is a high-performance liquid coagulant containing approximately 10% Al_2O_3 , designed for use in water and wastewater treatment. It effectively destabilizes suspended and colloidal impurities to form dense, fast-settling flocs, delivering excellent clarification results. PAC10 can also be used in paper manufacturing as a sizing agent, retention/drainage aid, and pitch control additive.

KEY FEATURES

- High flocculating power for rapid solid-liquid separation
- Effective over a wide pH range
- Can be used in combination with other coagulants for optimized treatment
- Suitable for municipal, industrial, and paper industry applications

APPLICATIONS

- Municipal and industrial water treatment (river and groundwater)
- Municipal and industrial wastewater treatment
- Pulp and paper industry (retention/drainage aid and sizing agent)
- General solid-liquid separation processes in industrial applications

TECHNICAL SPECIFICATIONS

Parameter	Specification
Appearance	Colorless to pale amber clear liquid
Specific Gravity (25 °C)	1.190 – 1.245
Al_2O_3 (%)	10.0 – 11.0
Basicity (%)	45.0 – 55.0
pH (1%)	3.5 – 5.0



**LIMITED WARRANTY INFORMATION.
PLEASE READ CAREFULLY.**

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This document is subject to revision without notice as new data becomes available.

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PACKAGING

- Bulk: 10,000 – 30,000 kg
- IBC: 1,190 kg (plastic)
- Drum: 250 kg (plastic)
- Jerrycan: 25 kg (plastic)

STORAGE & HANDLING

Store in closed containers or tanks constructed of materials suitable for corrosive liquids. Keep PAC10 in a cool, dry place, away from incompatible materials. Ensure proper secondary containment for bulk storage.

SAFETY

Avoid contact with skin and eyes. Use proper PPE including gloves and goggles. Refer to the Safety Data Sheet (SDS) for detailed safety information prior to handling.