

## 1. Product Description

Poly Aluminum Chloride (PAC) is a water-soluble inorganic polymer used as a coagulant in water purification. This compound is preferred in some cases because of its high charge, which makes it more effective at destabilizing and removing suspended materials than other aluminium salts.

## 2. Application

PAC is also used in a variety of other applications. In wastewater treatment, PAC is used to treat wastewater from industrial and municipal sources. In papermaking process, PAC is used to help clarify the water used to make paper. This helps to improve the quality of the paper and reduce the amount of pollutants that are released into the environment.

PAC is also used in the oil recovery process to help separate oil from water. This helps to improve the efficiency of the oil recovery process and reduce the amount of oil that is released into the environment.

## 3. Typical Properties (Physical & Chemical)

Parameter	Unit	Specification
Appearance	-	Clear, Yellow
Specific Gravity 25 °C	gr/ml	Min 1.10
Al <sub>2</sub> O <sub>3</sub>	%	10 – 12
Basicity	%	35 – 45
pH (1% solution)	-	3.5 – 5.0

## 4. Packaging

- IBC Tank 1 tons

## 5. Storage and Handling

- Store in a cool, dry place, and in an airtight container to prevent evaporation. Keep PAC away from heat, sparks, and flames.
- Wear gloves, goggles, and a respirator when handling PAC to protect your skin, eyes, and lungs from exposure. Wash your hands thoroughly after handling PAC.