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**POLY ALUMINUM CHLORIDE (Liquid)**

**CAS #: 1327-41-9**

**DESCRIPTION**

**Poly Aluminium Chloride** is a solution in which the active substance is a polymerized aluminum complex of the gross formula  $Al(OH)_1,2Cl_{1,8}$ .

It is a high purity product with different aluminum contents and neutralizes the colloidal charge whereby compact flocks are formed. The flocks are precipitated from the water by sedimentation or flotation. The compact flocks provide fine drainage characteristics to the slurry.

**TECHNICAL SPECIFICATIONS**

Appearance:	Yellow to brownish liquid				
Specific Gravity (27 °C):	gr/cm <sup>3</sup>	1.16 Min.	1.22 Min.	1.27 Min.	
Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> ):	%	8.0 Min.	10.0 Min.	12.0 Min.	
Basicity:	%	70 – 100			
pH (2% solution):	---	3.5 – 5.0			

**APPLICATIONS**

- Industrial and municipal waste water treatment
- Process water treatment
- Sludge treatment
- Fixing agent and flocculation aid of the stock preparation and wet end of paper production
- Treatment of oil contaminated water
- Potable water treatment

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