

Achlor Premium Gold

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The Science of Clean Water

Twenty years of sound scientific research.
The development of proven products.
Offered with wisdom and integrity.
Your guarantee.

Quality is never an accident. It is the result of
high intention, intelligent direction, committed
endeavour and skillful execution. It is never
easy but it is worth it.

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Alchlor Premium Gold

Alchlor Premium Gold is a very high basicity polymeric aluminum chlorohydrate coagulant with a minimum aluminium content, as Al_2O_3 , of 25.5%. As the Al_2O_3 level increases the performance improves exponentially – a lot less does a lot more. Alchlor Premium Gold has many advantages over alum and standard polyaluminium chloride coagulants. It will provide considerably better water quality over a much wider range of raw water conditions.

- You need substantially less APG than standard coagulants.
- APG is 5/6 hydrolyzed and therefore on application produces only a 1/6 to 1/3 the acid alum and PAC do.
- It does not break down when diluted so dilute solutions stay at full strength.
- Because APG is 5/6 pre-hydrolyzed the complete hydrolysis to aluminium hydroxide is much faster.
- Having to use smaller doses means less storage and reduced freight costs.
- APG has superior cold water performance to other coagulants.
- APG performs better over a much wider pH range than other coagulants - pH 6.0 to 9.5.
- Because APG is more effective at pH8+ manganese and iron can be readily oxidized and coagulated.
- APG reacts very quickly, forming significantly larger, gibbstitic, crystalline, floc:
 - Much lower aluminium levels in the treated water.
 - Dries much faster and shrinks to about a 1/4 of its original volume.
 - The crystalline floc enhances filtration in membrane filters and dramatically increase filter runs.
- Lower doses mean:
 - Lower TDS levels.
 - Less sludge.
- APG is not classified as a DG so storage requirements are not so onerous.
- APG achieves excellent clarification of high turbidity waters such as flood water.
- APG does not contain sulphate.
- APG allows plant operators to set a dose to cover a very wide range of water conditions.
- APG is more effective at removing biological organisms such as algae.

In addition to all the benefits of operational performance and resultant water quality outlined above, Alchlor Premium Gold is the most cost effective coagulant, in most cases with overall savings of 10% to 50%.