



Product Information

ClearPAC® / ClearPAC® Plus

NSF/ANSI Standard 60 Certified Coagulants for Water Treatment

General Description

ClearPAC® a polyhydroxyl aluminum chloride (PAC) coagulant designed to provide improved water quality in a variety of applications. ClearPAC® Plus offers the benefits of ClearPAC® blended with an organic polyelectrolyte to improve the removal of natural organic material including colour. In comparison with aluminum sulphate and other coagulants, ClearPAC® and ClearPAC® Plus can offer:

- Reduced alkalinity stripping and reduced pH impact
- Reduced sludge volume
- Faster cold water response
- Reduced coagulant dose
- Increased organic removal
- Better floc characteristics
- Reduced TDS / Conductivity

ClearPAC® products are all certified to NSF/ANSI Standard 60 ensuring they are acceptable for use in potable water treatment systems.

Testing and Evaluating Coagulant Programs

ClearTech recommends conducting bench or jar testing as it provides an effective means of evaluating different coagulants. In comparative tests, coagulants can be evaluated based on floc characteristics, ultraviolet transmittance, colour and turbidity. After jar testing, the product can be trialed at the plant scale prior to instituting a new chemical regime.

ClearTech is pleased to offer technical assistance in setting up and conducting coagulant evaluations

Application

ClearPAC® products should be fed undiluted into a zone of rapid mixing. No prior mixing or activation is required. Feed and storage equipment should be constructed of PVC, FRP or other plastics. Do not use aluminum, magnesium, zinc or copper alloys. Avoid Stainless Steels.

Typical Properties



ClearPAC® / ClearPAC® Plus

Refer to the Material Safety Data Sheets for the most current data:

	ClearPAC®	ClearPAC® Plus
Description	<i>Polyhydroxy Aluminum Chloride (PAC)</i>	<i>Polyhydroxy Aluminum Chloride (PAC)</i>
Appearance	Clear to pale yellow liquid	Clear to pale yellow liquid
S.G.	1.24	1.24
Freezing point	-15°C	-15°C
Boiling Point	100°C	100°C
pH	2.7	2.7
Al ₂ O ₃ w/w%	9.9 %	8.7%
Basicity	54%	54%
NSF Max use ¹ , mg/L	200 mg/L	166 mg/L

¹ refer to NSF web site for most current listing

Packaging

ClearPAC® and ClearPAC® Plus are available in 23 kg pails (~20 L), 255 kg drums (~210 L), 1525 kg pallet tanks (~1200 L) and bulk shipments.

Handling and Storage

Read the Material Safety Data Sheets for these products prior to use.

While these products freeze at -15°C, they should be stored between 10°-25°C and used within 1 year to ensure maximum product activity.

Remarks

Consult the Material Safety Data Sheets before using these products.

Always dispose of unused products in accordance with applicable regulations and guidelines.

For Technical Assistance with ClearTech products, please call us at 1-800-387-7503.