

# ATLANTIC WATER TECHNOLOGY LTD

## PRODUCT INFORMATION

### A-612

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#### GENERAL DESCRIPTION:

A-612 is based upon a liquid polyelectrolyte of high cationic charge and primary coagulant in raw water clarification.

It is often more effective in cost performance than mineral coagulant especially in low turbidity and in soft waters.

#### USES:

A-612 is suitable for use for clarification, flotation-clarification and for clarification by direct filtration. It is suitable and safe for use in potable water suppliers and is also effective in sewage systems. Benefits arising from the use of A-612 are that reduction or elimination of inorganic primary coagulants will be seen. In sewage systems reduced sludge volumes will be produced and there will also be a decrease in pH sensitivity of coagulant/flocculation processes.

A-612 is also effective for clarification and cleaning of open recirculating cooling circuits, closed hot and cold circuits, etc. It is also suitable for the removal of oils.

#### COMPATIBILITY:

A-612 is compatible with inorganic coagulants and is effective throughout a wide range of pH levels. It is stable to degradation by chlorine. Undiluted A-612 is moderately corrosive to mild steel, cast iron, aluminium and zinc. Corrosion resistant dosing equipment is advised.

#### APPLICATION DATA:

A-612 may be dosed neat although it is usual to dilute to a 10% solution with water to obtain good dosing control. These diluted solutions should be freshly prepared weekly. Dosing rates should be set to apply the product at between 1-20 ppm in the system. The level required will be dependent on the density and type of material for flocculation and also whether primary coagulants are used.

#### TECHNICAL DATA:

Appearance :	straw coloured liquid
Flash point :	non-flammable
Specific gravity :	1.07 ± 0.01
pH as supplied :	6.0 ± 0.1
packaging :	25 and 200 litres containers
transportation :	non-hazardous