

ATLANTIC WATER TECHNOLOGY LTD

PRODUCT INFORMATION

A-613-5

A-613-5

GENERAL

A-613-5 is based upon a liquid polyquaternary ammonium of highly cationic organic coagulant.

DESCRIPTION

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USES

A-613-5 is suitable for use for clarification, flotation clarification and for clarification by direct filtration. It is suitable and safe for use in potable water supplies and is also effective in industrial waste water systems. Benefits arising from the use of **A-613-5** are that reduction or elimination of inorganic primary coagulants will be seen. Coagulant/flocculation processes. **A-613-5** is also effective for clarification and cleaning of open recirculating cooling circuits, closed hot and cold circuits, pipelines etc.

COMPATIBILITY

A-613-5 is compatible with primary inorganic coagulants such as aluminium sulphate and ferric sulphate and is effective through a wide range of pH levels.

APPLICATION DATA

A-613-5 may be dosed neat although it is usual to dilute up to 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 medium turbulence point as following:

- i) 1-80 ppm as primary coagulant
- ii) .2-20 ppm as coagulant adjuvant
- iii) 1-40 ppm is filtration adjuvant

The level required will be dependent on the density and type of material for flocculation and also whether primary coagulants are used. Local engineers will advise. Where as inorganic primary coagulant is used A-613 should be added after the coagulant allowing sufficient delay to ensure that satisfactory coagulation occurs.

TECHNICAL DATA

Appearance	:	light yellow liquid
specific gravity	:	1.045 ±.01
pH as supplied	:	5 – 7
flash point	:	non-flammable

PACKING: 25 and 200 liter containers

TRANSPORTATION: non-hazardous

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HEALTH & SAFETY INFORMATION

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POTENTIAL HAZARDS

Should cause no adverse effect under normal circumstances.
Prolonged contact may tend to defect the skin.

HANDLING & STORAGE

Avoid extremes of temperature, keep it between 5 to 35 oC
Replace cap securely after use
Recommend storage limit – 12 months

PROTECTIVE EQUIPMENT

Wear gloves and goggles in accordance with good safety practice.

SPILL PROCEDURES

Flush to drain with plenty of water
Observe local disposal regulations

FIRST AID

EYES	:	Rinse immediately with plenty of water If irritation persists seek medical advice
SKIN	:	Rinse immediately with plenty of water
INGESTION	:	Wash out mouth thoroughly and drink plenty of water. Non hazardous by ingestion.