

# ATLANTIC WATER TECHNOLOGY LTD

## PRODUCT INFORMATION

### A-602

#### **GENERAL**

A-602 is a powder product based upon a high molecular weight anionic Polyacrylamide.

#### **DESCRIPTION**

#### **USES**

As clarification and flocculating agent for potable water , food, paper and ceramic industry, mineral processing , waste water and other water systems such as recirculating cooling water, etc ..

A-602 is suitable for application as a mud remover to fresh and sea-water once-through circuits. With solid –liquid processes within the minerals processing and waste water fields as well as for sludge conditioning. A-602 is particularly suitable for the flocculation of inorganic materials prior to clarification or filtration.

The possibility to operate within a wide pH range ( from 4 to 13)

#### **COMPTABILITY**

A-602 solution corrodes aluminum, copper and iron. It is recommended to prepare the solution on P.E. or suitable plastic tank.

#### **APPLICATION DATA**

The level of A-602 required will depend upon the nature and concentration of the solids to be removed.

The solution of A-602 powder flocculant must be prepared in suitable plants equipped with feeding and dispersion systems for dry powders and with continuous and moderate agitation (200 to 500 rpm). The dissolution water must have a temperature included between 10 °C and 40 °C ; the concentration of solution must be 0.1% to 0.3%. for a correct use of A-602 polymers and in order to achieve the best possible results, it is necessary to allow a “ maturation “ time of 50-60 minutes and to use a concentration lower than or equal to 0.1% ( through in-line dilution, if necessary).

The diluted solutions should be freshly prepared weekly. Dosing rates should be set to apply the product at medium turbulence point as the following general indications:

- i) .2-10 ppm as flocculent.
- ii) .05-5 ppm as flocculent adjuvant
- iii) .01-0.5 ppm is filtration
- iv) 10 – 300 ppm for sludge dehydration.

#### **TECHNICAL DATA**

v) Physical state	White granular powder.
Gravity	800-950 kg/ m <sup>3</sup>
Packing	50 and 200 kg containers.
Transportation	Non- hazardous

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## HEALTH AND SAFETY INFORMATION

### A-602 ( As Supplied)

#### **POTENTIAL HAZARDS**

Should cause no adverse effect under normal circumstances.  
prolonged contact may tend to defat the skin.

#### **HANDLING & STORAGE**

- Avoid contact with skin and eyes.
- Keep the product dry at room temperature.
- Its solution is very slippery avoid spilling.
- Recommended storage limit - 1 year.

#### **PROTECTIVE EQUIPMENT**

Wear gloves and eye/face protection 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 with water and drink plenty of water.

Non-hazardous by ingestion.