

# AlitFlock 4705

## COAGULANTS

**Alitflock 4705** Alitflock 4705 is a powder polyelectrolyte, with low anionic charge and high molecular weight. The product is used in the processes of clarification of waste water such as flocculation adjuvant, in addition to a primary coagulant (of inorganic nature or organic), in sludge dehydration processes high in inorganic material. The Alitflock 4705 expresses its action through of the ionic charges present in the molecule polymer which, by binding to the coagulant particles, they facilitate their flocculation. Used for the sludge dehydration, the action results in the release of water from the muddy mass, allowing to increase the dry substance content.

Characteristic data	Appearance	Powder, granules
	Color	White
	Ionicity	Low anionic
	Molecular weight	High
	Dosage	Use as a Flocculant: 0.5 - 10 g / m <sup>3</sup> Conditioning Sludge: 20 - 500 g / m <sup>3</sup>
	Form of delivery	AlitFlock 4705 25 KG (bags)

Product performance is significantly affected by the waste water quality degree. Therefore, the best parameters for optimal operation may be different from the standard ones included in this sheet.

**Safety precautions** Please observe the usual safety precautions when handling chemical substances. The classifications according to the statutory regulations for transport, storage and handling of the product as well as further product specific information are included in the EC-safety data sheet.

**Preparation and Procedure** Alitflock 4705 is used after being dissolved in water. The solution should be prepared at a concentration between 0.1% and 0.5%, slowly pouring the flocculant into a specific container provided with a paddle stirrer that does not exceed 400 rpm. Do not use propeller mixers. This solution is ready for use after approx. 30 minutes of maturation. The stability of the 0.5% solution remains active for approx. one week, while that at 0.1% only 48 hours. To achieve the maximum application yield, the Alitflock 4705 solution must be added at a point of good turbulence. The dosage of the Alitflock 4705 is to be sought case by case prior to laboratory tests and then in the plant.

**Storage** The Alitflock 4705 is supplied in 25 kg bags and must be stored in the original packaging in dry, ventilated and indoors places. The bags are partially full, they must be closed and kept in sheltered areas to prevent the presence of moisture causes the packing of the material, prejudicing its subsequent use.

We will be happy to provide you with our knowledge and advice to guarantee the best process quality.

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