



TECHNICAL DATA SHEET

POLIFLOC A 855

CHEMICAL AND PHYSICAL CHARACTERISTICS

Appearance:	Powdered, granular
Color:	White
Odor:	Odorless
Ionic charge:	High anion
Bulk density:	900 - 1150 kg/m ³
Viscosity (0.1% in distilled water):	150 - 200 CPS
Effectiveness in pH ranges:	4.0 ÷ 13.0

PRODUCT DESCRIPTION

POLIFLOC A 855 is a polyacrylamide-based synthetic organic polymer with a very high molecular weight and high anionic charge.

PRODUCT APPLICATIONS

POLIFLOC A 855 is used in the clarification of industrial waste water, industrial waste water and surface water and in the conditioning of sludge.

The use of POLIFLOC A 855 ensures high clarity of the supernatant, effective activity even at low dosages, a considerable increase in the sedimentation speed and the possibility of working in a wide pH range (from 4 to 13).

POLIFLOC A 855 can be used in various sectors, such as: food, paper, ceramics, mining, petrochemicals and purification.

HOW TO USE THE PRODUCT

POLIFLOC A 855 is used in diluted aqueous solution (0.1 ÷ 0.3 %).

For the preparation of a mother solution (about 0.5%) the original product is added to the prepared water under vigorous and uniform stirring. After a dissolution time of about 60 minutes (at a water temperature of ≥ 15 °C) the solution is mature and ready for use. The exact quantities of use can only be determined by laboratory tests or directly in the field, due to the extreme diversity between the various slurries and muds to be treated.

During the treatment of the slurry, the addition of the flocculant must take place in a point of medium turbulence to favor complete and homogeneous mixing without damaging the formation of the floc: dosing the polymer in several points improves the yield of the system.

The dosages must be evaluated from time to time with preliminary tests. As an indication, a quantity of 0.2 – 10 mg/litre in flocculation, 0.05 – 5 mg/litre in aid-flocculation, 0.01 – 0.5 mg/litre in filtration and 10 – 300 mg/litre in sludge dehydration can be assumed.



PRODUCT STORAGE AND HANDLING

High molecular weight flocculants such as POLIFLOC A 855 are basically sensitive to humidity such as, for example, condensation or drops of water. In case of contact with water, lumps that are difficult to dissolve may form locally.

The product must therefore be stored in the original closed packaging and protected from humidity.

Safety and accident prevention

In case of spillage or leakage: Warning! Strong danger of slipping in combination with water and/or moisture. Block the road or passage, collect as much of the pure product as possible, then absorb, with sand or other absorbent material, repeat this operation if necessary and, finally, rinse only very small residues with a strong jet of water.

Preventive measures: in the case of a solid product, avoid the formation of dust, avoid contact with the eyes and prolonged contact with the skin. After handling or touching the product, wash thoroughly. Based on our experience, POLIFLOC A 855 solutions cannot be defined as corrosive towards building materials usually used in containers or for pipes such as plastics, plasticized metals or stainless steel.

Stability in case of proper storage

Granules in original packaging: approx. 12 months

Stock solution in mains water: about 2 weeks

Ready-to-use solution in mains water: about 3 days

The product is supplied in 25 kg bags on 500 kg pallets or in 500 kg big bags.