



## TECHNICAL DATA SHEET

# POLICAT 882

Cationic organic flocculant

## CHEMICAL AND PHYSICAL CHARACTERISTICS

Appearance:	Powder, granular
Color:	White
Odor:	Odorless
pH:	3,5 – 4,5
Density:	750 - 950 kg/m <sup>3</sup>
Viscosity:	30 ÷ 100 cps (sol. 0,1%)

## PRODUCT DESCRIPTION

Polyacrylamide of medium molecular weight and average cationicity.

## PRODUCT APPLICATION

POLICAT 882 is a synthetic organic polymer used in the clarification of industrial waste water, surface water and sludge conditioning. The use of POLICAT 882 ensures a high transparency of the supernatant, an effective activity even at low doses, a considerable increase in sedimentation speed and the possibility to work in a wide pH range (from 4 to 13). POLICAT 882 is used in various sectors such as: flotation, centrifugation, filtration and sludge thickening, tape-pressing.

The POLICAT 882 solutions must be prepared in suitable systems equipped with food and dispersion units for dry powders and continuous and moderate stirring (200 ÷ 500 rpm). The dissolution water must have a temperature between 10 ° C and 40 ° C, the concentration of the solutions between 0.1% and 0.5%. For a correct use of POLICAT 882 and to guarantee maximum efficiency for the operation, a "maturation" time equal to 50-60 minutes and a concentration of use less than or equal to 0.2% is necessary (possible in-line dilution) . During the treatment of the turbid, the addition of the flocculant must take place at a point of average turbulence to favor a complete and homogeneous mixing without damaging the formation of the staple; dosing the polymer in several points, improves the yield of the system. The dosages should be evaluated from time to time with preliminary laboratory tests.

## STORAGE AND HANDLING

Flocculating agents such as POLICAT 882 are sensitive to moisture, both in the form of condensation water, both in the form of splashes, and in the form of atmospheric moisture. In case of contact with water lumps of difficult solubilization may form locally. The POLICAT 882 must therefore be stored at room temperature, in a dry place, closed in its original packaging and protected from moisture. Avoid contact with skin and eyes. Follow the rules of industrial hygiene. Wash thoroughly after handling or touching the product. Warning! High danger of slipping if the product comes into contact with water and / or humidity. Avoid spills. If stored correctly, POLICAT 882 has a stability of about 12 months.

The POLICAT 882 is supplied in 25 kg bags.