



TECHNICAL DATA SHEET

POLICAT 872

Cationic organic flocculant

CHEMICAL-PHYSICAL CHARACTERISTICS

Appearance:	Granular powder
Color:	White
Odour:	Odourless
Ionic charge:	Moderately cationic
Density:	750 ÷ 950 kg/m ³
Viscosity:	30 ÷ 100 cps (0.1% sol.)

PRODUCT DESCRIPTION

Polyacrylamide of medium molecular weight and medium cationicity.

PRODUCT APPLICATIONS

POLICAT 872 is a synthetic organic polymer used in the clarification of industrial waste water, surface water and in sludge conditioning. The use of POLICAT 872 ensures a high clarity of the supernatant, an 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). POLICAT 872 is used in various sectors such as: flotation, centrifugation, sludge filtration and thickening, belt-pressing.

HOW TO USE THE PRODUCT

The POLICAT 872 solutions must be prepared in suitable plants equipped with feed 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 872 and to guarantee the operation maximum efficiency, a "maturation" time of 50-60 minutes and a concentration of use lower than or equal to 0.2% (possible dilution in line) is required. During the treatment of the slurry, the addition of the flocculant must take place in a point of medium turbulence to favor a 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 laboratory tests.

PRODUCT STORAGE AND HANDLING

Flocculating agents such as POLICAT 872 are sensitive to humidity, whether in the form of condensation water, in the form of sprays, or in the form of atmospheric humidity. In case of contact with water, lumps that are difficult to dissolve may form locally. The POLICAT 872 must therefore be stored at room temperature, in a dry place, closed in the original packaging and protected from humidity. Avoid contact with skin and eyes. Follow industrial hygiene rules. Wash thoroughly after handling or touching the product.



Attention! High risk of slipping if the product comes into contact with water and/or humidity.
Avoid spills.

If stored correctly, POLICAT 872 has a stability of approximately 12 months

POLICAT 872 is supplied in 25 kg disposable bags.