BEWAT CT44 MR

1. DESCRIPTION

BEWAT CT44 MR is a cationic organic polymer of essentially plant origin with coagulating properties that acts on the colloidal particles suspended in water, neutralizing the electrostatic charges and favouring the adhesion and aggregation and therefore bridging these colloids together.

This is the process responsible for the floc formation.

2. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Dark brown
pH aqueous sol. 20% p/v	2,3- 3,0
Specific gravity	1,05 - 1,15 g/cm3.
Viscosity	< 100 cps
Solid content (%)	17 – 20
Efficiency	Medium

3. APPLICATIONS.

BEWAT CT44 MR is a cationic low molecular weight polymer of organic origin that acts as,

• Coagulant

BEWAT CT44 MR intervenes in a wide range of applications, in accordance with previous jar-testings performed and the guidance of our technical team.

BEWAT CT44 MR works as a multifunctional product, allowing in some cases to remove or reduce the dose of the flocculant required afterwards.

4. METHOD OF USE.

The dosage of BEWAT CT44 MR varies depending on the type of application, as well as the characteristics of the water system. As indicative, doses between 50 to 500 ppm in the physic-chemical treatment can be applied.

The operational working pH range for this product is wide, although is recommended to work in a pH range of 4.5 to 8.0. It can be dosed directly on the water to be treated, or well a pre-dilutor system can be used which in turn will favour the contact of the product with the influent to be treated.

The dosing point should be located where proper mixing is guaranteed. It is required the suitable homogenization of the inlet water with the product, to favour the reaction of the polymer with the finest particles and allow the formation of flocs.

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BEWAT CT44 MR does not modify the pH of the treated water, since it does not consume alkalinity from the medium.

5. PREVENTIVE MEASURES AND HANDLING OF THE PRODUCT.

The product may precipitate at low temperatures, - 5 °C.

When stored, keep the containers properly closed. The product must be kept at temperatures between 5 and 35°C.

This product is highly reactive with products containing iron and other alkaline substances in their composition. As consequence of the coagulant properties, it may react with the environmental dust and other particles if the container is not properly closed/sealed.

Operational usage conditions should be equal to those when storing the product. Therefore, it is highly recommended to dose the product thought the lower/discharge integrated butterfly-valve DN50/2" of the container, leaving the upper filling opening of the container with the screw-cap which is provided in order to avoid environmental contamination.

It is recommended to maintain the product in the same container that the product is supplied. In case of repackaging is required, then use a new-brand container in perfect conditions to avoid undesired cross-contamination during the filling process.

Under non-desirable storage conditions, the product can modify its physical properties, making it difficult to manipulate and significantly affecting its quality and efficiency.

6. PACKAGING FORMATS AND SELF-LIFE OF PRODUCT.

This product is supplied in 1.000 L containers or IBCs.

BEWAT CT44 MR has a shelf life of 12 months when stored in original and unopened containers between 5°C and 35°C.