



MARLYN

Product Information Sheet

Coagulants

Product Description

Coagulation is the process of destabilising difficult to settle, colloidal suspensions by charge neutralisation. Once neutralised, these fine particles no longer repel each other (due to their associated negative surface charge) and coalesce to form larger aggregates. Coagulation usually accompanies flocculation, which involves the addition of polymers that bridge the small, destabilised particles together enhancing the settling of the suspended material and clarification of the water.

The Marlyn range of coagulants includes FlocBuilder A1 and FlocBuilder A2. The coagulants may lower the pH of the treated water. Depending on the raw water alkalinity and pH, an alkali such as lime or caustic may need to be added to counteract the pH depression of the primary coagulant.

FlocBuilder is used in a variety of industries and applications, including and not limited to, the mining, water treatment and tissue industries. The choice of coagulant is affected by the pH and turbidity of the water that is being treated, the properties of the suspended material, and any pre-treatment that may be applied to the water. The selection of the optimal product, or combination of products, is vital in ensuring that the solid liquid separation is carried out effectively and cost efficiently. Our highly qualified technical representatives will complete thorough due diligence and pre-testing, on site and/or in our laboratories, to ensure that the optimum programme is implemented.

Usage

The recommended coagulant feed solution is 10%. The FlocBuilders are corrosive to most metals. Rubber, ceramic, HDPE, PP or rubber lined metal containers are recommended for both packing and storing. Make-up temperatures should be between 15 – 30°C.

Packaging

FlocBuilder A1 is supplied in 50 kilogram bags, while FlocBuilder A2 is supplied in 25 kilogram bags. Unopened paper bags should be stored in a cool, dry place. Both FlocBuilder products are also available in solutions from 10% to 50% in IBC containers.

Health and Safety Information

For Health, Safety, Shipping and Handling information it is recommended to refer the Material Safety Data Sheet.

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