MARLYN

Product Information Sheet

Polyacrylamide Polymers

Product Description

The Marlyn range of water soluble polymers is used in a variety of industries and applications, including and not limited to, the mining, water treatment and tissue industries. Generally, the polymers are used to enhance the solid liquid separation process in aqueous solutions, enhancing the settle-ability of fine suspended solids thereby optimising the clarity and turbidity of the treated water.

The acrylamide is manufactured using the microbiological process, enabling the production of a wide range of molecular masses. The Marlyn polymers are available in low, medium, high and ultra high molecular weights. The flocculant ionic charges range from very low, to almost 100%. 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 polymer solution concentration for the feed solution is 0.05 – 0.1%. Product solutions should be made up and diluted in stainless steel, FRP or plastic coated vessels. Make-up temperatures should be between 15 – 30^{o}C. The use of aluminium, mild steel and copper-containing alloys for solution storage, pumps or associated piping should be avoided.

Packaging

The powder polymers are supplied in 20kg polyethylene inner lined, paper bags. The product may be stored in the original packing for up to 2 years. Unopened paper bags should be stored in a cool, dry place. Partially empty bags should be carefully closed to prevent adsorption of moisture.

Health and Safety Information

The powder polyacrylamides comply with world health and environmental standards. They exhibit a very low order of toxicity and do not present abnormal problems in their handling or general use. **Spills of the diluted polymers become extremely slippery.** For further Health, Safety, Shipping and Handling information it is recommended to refer the Material Safety Data Sheet.

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