

PYM-TDS-EU-Magnafloc LT22S

Magnafloc® LT22S Flocculant

Description

Very high molecular weight polyacrylamide-based flocculant, which exhibit low degree of ionic charge. It is supplied as free flowing white powders.

Approved by a range of regulatory bodies (see regulatory table).

Chemical structure

Co-polymers of acrylamide and quaternised cationic monomer.

Principal use

Polyelectrolyte used as a coagulant aid in the clarification and filtration of potable water, and for the conditioning of potable water sludges prior to thickening and dewatering.

American Standard ANSI/NSF 60 compliant.

Benefits

- Reduced inorganic coagulant dosage
- Increased clarifier throughput
- Reduced sludge production
- Reduced overall treatment costs

Treatment Dosing

Magnafloc LT22S meet the American Standard ANSI/NSF 60 and conformation to this standard is certified by NSF International.

Storage and Handling

The shelf life of the product is min. 12 months from date of manufacturing if it is stored in its sealed original packaging within a temperature range of 5 – 25 °C in a dry place.

It is recommended that stock solutions at 0.25 – 0.5% are prepared regularly and for maximum effect such solutions should be used within 5 days. Beyond this period some loss in efficiency of the product may occur.

Effects of low temperature on dissolution – at low water temperatures, < 5 °C, the dissolution of this product will be adversely affected to the extent that longer dissolution times will be required.

As with all cationic polyelectrolytes the product exhibits toxicity towards fish. It is important that precautions are taken where the product may come into direct contact with fresh water courses, streams and rivers.

Corrosion towards most standard materials of construction is very low. Stainless steel, fibreglass, polyethylene, polypropylene and rubberised surfaces are recommended. In some cases, aluminium surfaces can be adversely affected.

Very slippery when wet. Please refer to the SDS for methods of removing the polymer.

Technical Service

Account managers and field service technicians are available to give advice and assistance in the running of laboratory tests and plant trials to select the correct product and determine the best application conditions.

Packaging

This product is available in a variety of packaging sizes. Your Solenis representative will recommend the appropriate packaging for the application.

Important Information

Typical Properties: Refer to the Safety Data Sheet (SDS).

Regulatory Information: Refer to the SDS or contact your sales representative for any additional regulatory and environmental information.

Safety: Solenis maintains an SDS for all of its products. Use the health and safety information contained in the SDS to develop appropriate product handling procedures to protect your employees and customers.

Our SDS should be read and understood by all of your supervisory personnel and employees before using Solenis products in your facilities.