

Water Technologies & Solutions fact sheet

SoliSep* MPT170

organic coagulant

- Increases resistance to filter breakthrough.
- Proven performance in treatment of feedwaters sourced from open seawater intakes.
- Minimises backwash waste.
- Compatible with Hypersperse* MDC150 and Hypersperse MDC220 antiscalant/antifoulant.

description and use

SoliSep MPT170 is designed to significantly improve the efficiency of colloidal solids removal by sand and multi-media filters. This product is a low molecular weight organic coagulant which is to be injected directly ahead of the multi-media filters.

typical applications

SoliSep MPT170 must be added prior to multi-media filters.

Note: Incompatible antiscalant/antifoulant and coagulants may congeal and cause severe membrane fouling. SoliSep MPT170 should only be used in combination with compatible Hypersperse MDC products such as Hypersperse MDC150, MDC220, MDC704, MDC712, MDC714, MDC772, MDC775, MDC706, MDC776. Please contact your SUEZ representative for more details and other product compatibility.

treatment and feeding requirements

Typical dosage range is between 1 and 6 mg/l.

A sample dosage calculation for general purposes would be as follows:

Dosing Example: SoliSep MPT170 dosage was determined to be 2.0 mg/l. If the system feed flow is 100 m³/day, at what rate must the chemical be applied?

Feed flow, m³/day x SoliSep, mg/l/1000 = kg/day

(kg/day)/Specific Gravity = litres/day of SoliSep

Calculation: 100 x 2.0 / 1000 = 0.2 kg/day

0.2 / 1.16 = 0.17 litres/day

Over and under-dosing may result in poor filtration results. Please contact your SUEZ representative to define the optimal feed point and dosage rate.

packaging information

SoliSep MPT170 is a liquid material, available in a wide variety of customized containers and delivery methods. Possible pack types are e.g. 25 kg pails, 230 kg plastic drums and 1100 kg semi-bulk containers. Contact your SUEZ representative for more details.

storage and handling

Precautions should be taken to prevent the liquid from freezing.

safety precautions

A Material Safety Data Sheet containing detailed information about this product is available on request.

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