

Water Technologies & Solutions fact sheet

SoliSep* MPT135

polymeric coagulant

- NSF approved for potable water use (certified to NSF/ANSI Standard 60)
- Targets low and medium NTU and color surface water
- Promotes maximum solids and color removal including dyes
- Highly efficient emulsion breaker for oil-in-water emulsions
- Efficient, economical and easy to feed
- Increases resistance to filter breakthrough
- Reduces backwash waste
- Compatible with and proven not to foul thin film composite membranes when used as directed

description and use

SoliSep MPT135 is a strongly cationic, low molecular weight, liquid coagulant. It is designed to function in a SUEZ treatment program as a primary coagulant for removal of colloidal materials from surface waters and recycled process waters.

SoliSep MPT135 is NSF approved for use in potable water applications at a feed rate up to 100 ppm (mg/L).

SoliSep MPT135 produces excellent water quality through micro filters and multimedia filters used as pretreatment for reverse osmosis and other membrane systems. It is particularly effective in low to medium turbidity surface water pretreatment. It produces a dense, rapid forming floc that is readily held by the multimedia filter and is easily back-washed out of the filter.

SoliSep MPT135 is particularly effective in destabilizing oil-in-water emulsions, especially water soluble oils, nonionic surfactants, glycols and metal-working

fluids, to produce effective removal of these materials by activated carbon and multimedia filters.

application

SoliSep MPT135 can be fed neat upstream of micro filters (hollow fiber) and multimedia filters. SoliSep MPT135 can also be diluted with good quality water (permeate or DI water being best) to any ratio less than 10% to meet the chemical feed pump capacity requirements.

Note: Incompatible antiscalant/antifoulant and coagulants may congeal and cause severe membrane fouling. SoliSep MPT135 should only be used in combination with compatible Hypersperse* MDC products such as Hypersperse MDC150 and Hypersperse MDC220.

dosing information

Typical dosing range is between 1 and 10ppm (mg/L). For high NTU waters, higher doses up to 40 ppm might be required and bench testing is recommended to confirm dose levels.

Over and under-dosing may decrease filtration efficiency. To assist you, our Sales Engineers are available to provide custom dosages for your application.

packaging information

SoliSep MPT135 is a liquid material, available in a wide variety of customized containers and delivery methods. Contact your SUEZ sales representative for delivery and packaging alternatives.



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storage and handling

Store SoliSep MPT135 at moderate temperatures of 40 to 90 °F (4 to 32 °C) and protect from freezing. If frozen, thaw and mix thoroughly prior to use. To ensure maximum coagulation activity, this product should be used within six months, although it is generally stable for up to one year.

safety precautions

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

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