



Hypersperse™ MDC 151

Key Features

- > Effectively controls scales including calcium phosphate, calcium carbonate up to LSI +3.0, calcium sulfate, barium sulfate, and strontium sulfate
- > Maintains cleaner membrane surfaces by inhibiting the nucleation and growth of crystalline scales
- > Compatible with SoliSep™ MPT150 coagulant
- > Compatible with all of the leading RO membranes
- > Compatible with feedwaters that contain aluminum and iron oxides
- > Effective over a wide pH range
- > May be fed neat or diluted

Description and Use

Hypersperse™ MDC151 is a highly effective liquid antiscalant/antifoulant developed to control scale precipitates and reduce particulate fouling within membrane separation systems. This product is specifically formulated to be used with SoliSep™ MPT150 coagulant. It is imperative that the coagulants used are compatible with the antiscalant/antifoulant injected. Incompatible chemicals may cause membrane fouling.

Typical Application

For maximum effectiveness, Hypersperse MDC151 should be added prior to the static mixer or cartridge filter housing.

Packaging Information

Hypersperse MDC151 is a liquid material, available in a wide variety of customized containers and delivery methods. Contact your GE representative for details.

Safety Precautions

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

Materials Compatibility

Corrosion-resistant materials should be used for the storage and preparation of this product. Please consult your GE representative for details.

Operating Parameters

Dosing: Typical dosage range is between 1 and 3 mg/l (ppm) on the membrane system feedwater volume..

Important Note: Over and under-dosing may cause membrane fouling. Please contact your local GE representative to define the optimal feed-point and dosage rate.

Dilution: Maximum dilution is temperature related:

Temperature, °C	Maximum Dilution, %
<30	10
30-35	25
>35	50

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