Hypersperse* MDC700

FACT SHEET

Antiscalant/Antifoulant

- Certified for use in producing potable water. (Certified to NSF/ANSI Standard 60)
- Effectively controls scales including calcium carbonate up to LSI +2.5, calcium sulfate, barium sulfate, and strontium sulfate
- Compatible with all of the leading RO membranes
- Maintains cleaner membrane surfaces by dispersing particulate foulants
- Includes uniquely effective propriety Veolia polymer
- Effective over a wide pH range
- May be fed neat or diluted
- Compatible with feedwaters that contain aluminum and iron oxides

Description and Use

Hypersperse MDC700 is a highly effective liquid antiscalant/antifoulant developed to control scale precipitates and reduce particulate fouling within membrane separation systems. The product includes a proprietary Veolia polymer which makes it uniquely effective in providing longer run times and extended element life, resulting in reduced operating and capital costs. Industrial applications show excellent results in membrane separation processes including reverse osmosis (RO), nanofiltration (NF) and ultrafiltration (UF) applications.

Packaging Information

Hypersperse MDC700 is a liquid material, available in a wide variety of customized containers and methods. Contact your Veolia sales representative for details.

Application

For maximum effectiveness, Hypersperse MDC700 should be added prior to the static mixer or cartridge filter housing.

For potable application, the maximum dosage is 10 mg/L (ppm). Maximum dilution is 10% with RO permeate or DI water.

Dosing

Typical dosage range is between 3 and 6 mg/L (ppm).

Please contact your local Veolia representative to define the optimal feed point and dosage rate.

Maximum Dilutions

Maximum dilution is temperature related as shown below.

Temperature, ºC	Maximum Dilution, %
<30 (86ºF)	10
30-35 (86 - 95ºF)	25
>35 (95ºF)	50

Safety Precautions

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

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