

Hypersperse* MDC711

antiscalant /antifoulant

- Highly effective at a low application cost over a widerange of waters
- Excellent inhibition of calcium-based and sulfate-based scales and notably of barium sulfate.
- Excellent results as a replacement for softeners or acid dosing
- Reduces operating costs by increasing membrane life and reducing membrane cleaning frequency.
- Effective over a wide pH range
- May be fed neat or diluted
- Certified for use in producing potable water. (Certified to NSF/ANSI Standard 60)
- Effective at dispersing metal oxides to control fouling from aluminum, iron, and manganese

description and use

Hypersperse MDC711 is a highly effective liquid antiscalant/antifoulant developed to control scale precipitates and reduce particulate fouling within membrane separation systems.

Use of this product provides longer run times and extended element life resulting in reduced operating and capital costs. The product has shown excellent results in membrane separation processes including reverse osmosis (RO) and nanofiltration (NF).

application

For maximum effectiveness, Hypersperse MDC711 should be added upstream of the static mixer or cartridge filter housing.

dosing

Typical dosage range is between 2 and 6 mg/L. For potable applications, the maximum dosage is 10 mg/L.

To determine the adequate dose rate for a certain system it is recommended to use the Argo Analyzer* 4.0 simulation software. It will provide the best application dosage linked to the specific water chemistry and system design.

Please contact your SUEZ sales representative for details at www.suezwatertechnologies.com.

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

Dilution Guidelines: On-site dilution of Hypersperse MDC711 is possible; however, product dilution to concentrations below 10% is generally not recommended. When diluting, use high quality water such as permeate or deionized water. When feeding diluted product, examine the make-down tank or evidence of microbiological (MB) growth. If microbiological growth is observed, sanitize the tank and reduce the batch size. For best results, Hypersperse MDC711 should be fed neat.

Maximum Dilutions: Maximum dilution is temperature related as shown:

<u>Temperature</u>	<u>Maximum Dilution, %</u>
<30°C (86°F)	10
30-35°C (86-95°F)	25
>35°C (95°F)	50

packaging and storage information

Hypersperse MDC711 is a liquid material, available in a wide variety of customized containers and delivery methods. Protect from freezing. Contact your SUEZ sales representative for details.

safety precautions

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



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