

## Water Technologies & Solutions fact sheet

# Hypersperse\* MDC776

## antiscalant /antifoulant

- Effectively controls most of the common scales and is especially effective at preventing calcium sulfate formation
- Very effective at low application costs for highly concentrated applications such as mining, sulfate reduction units, and water reuse
- Reduces operation costs by increasing membranes life and reducing the cleaning frequency
- Effective over a wide pH range
- May be fed neat or diluted
- Coagulant compatible and can be used with any SoliSep\* MPT series product

### description and use

Hypersperse MDC776 is a safe and 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 RO, NF and EDR.

### application

For maximum effectiveness, Hypersperse MDC776 should be added upstream of the static mixer or cartridge filter housing.

### dosing

Typical dosage range is between 2 and 10 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 new 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](http://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 MDC776 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 for evidence of microbiological (MB) growth. If MB growth is observed, sanitize the tank and reduce the batch size. For best results, Hypersperse MDC776 should be fed neat.

**Maximum Dilutions:** Maximum dilution is temperature related as shown below.

<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 MDC776 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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