

## Water Technologies & Solutions fact sheet

# Hypersperse\* MDC775

## antiscalant/antifoulant

- Effectively controls scales including calcium carbonate, calcium sulfate, barium sulfate, and strontium sulfate
- Maintains cleaner membrane surfaces by dispersing particulate foulants
- 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 MDC775 is a highly effective liquid antiscalant/antifoulant developed to control scale precipitates and reduce particulate fouling within membrane separation systems.

This superior product has the ability to treat  $\text{CaCO}_3$  at very low dosages and improve operating limits for calcium phosphate scale, resulting in reduced operating and capital costs. Use in industrial applications shows excellent results in membrane separation processes including reverse osmosis, nanofiltration and electrodialysis reversal (EDR).

### application

For maximum effectiveness, Hypersperse MDC775 should be added upstream of the static mixer or cartridge filter housing.

### dosing

Typical dosage range is between 2 and 6 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](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 MDC775 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 MDC775 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 MDC775 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.



[info@lenntech.com](mailto:info@lenntech.com) Tel. +31-152-610-900  
[www.lenntech.com](http://www.lenntech.com) Fax. +31-152-616-289