

Hypersperse* MSI410

antiscalant/antifoulant

Water Technologies & Solutions fact sheet

- Certified for use in producing potable water (Certified to NSF/ANSI Standard 60)
- Effectively controls silica scaling, as well as scales of calcium and sulfate
- May be fed neat or diluted
- Compatible with all of the leading RO and NF membranes
- Maintains cleaner membrane surfaces by dispersing particulate foulants
- Effective over a wide pH range
- Compatible with feed-waters that contain aluminum and iron oxides

description and use

Hypersperse MSI410 is a highly effective liquid antiscalant/antifoulant specifically designed for silica scale. Hypersperse MSI410 includes a proprietary SUEZ Water Technologies & Solutions polymer, which is uniquely effective in treating silica scale. This product is an enhancement to Hypersperse MSI310, a proven technology with demonstrated performance in membrane system applications.

Hypersperse MSI410 is capable of effective silica control up to and exceeding 300 ppm under select conditions, although applications on variant water sources may establish other limits. The pH of the concentrate or brine stream must be carefully controlled in the range 6.0 to 6.5 to ensure optimum performance. Use of this product provides longer run times and extended element life resulting in reduced operating and capital costs.

dosing

The typical dosage range is between 3 and 6 ppm (mg/L). For potable applications the maximum dosage is 10 ppm (mg/L).

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

Dilution Guidelines: On-site dilution of Hypersperse MSI410 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 MB growth. If MB is observed, sanitize the tank and reduce the batch size. For best results, Hypersperse MSI410 should be fed neat.

packaging information

Hypersperse MSI410 is a liquid material, available in a wide variety of customized containers and delivery methods. 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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