

Hypersperse* AF250B

antiscalant/antifouling

- Effectively controls scales including calcium carbonate up to LSI +2.50, calcium sulphate, barium sulphate, and strontium sulphate.
- Compatible with all of the leading R.O. membranes.
- Maintains cleaner membrane surfaces by dispersing particulate foulants.
- Effective in feedwaters that range in pH from 5 -9.
- May be fed neat or diluted.
- Good tolerance to aluminum and iron oxides.

description and use

Hypersperse AF250B is a highly effective liquid antiscalant/antifoulant developed to control scale precipitates and reduce particulate fouling within membrane separation systems. Correct use of this product provides longer run times and extended element life resulting in reduced operating and capital costs. Use in industrial applications show excellent results in membrane separation processes including reverse osmosis, nanofiltration and ultrafiltration applications.

typical applications

For maximum effectiveness, Hypersperse AF250B should be added prior to the static mixer or cartridge filter housing.

Dilution with RO permeate or DI water is recommended.

treatment and feeding requirements

Maximum dosage is 50 ppm. Maximum dilution is 10% with RO permeate or DI water.

Water Technologies & Solutions fact sheet

Typical dosage range is between 10 and 30 ppm. A sample dosage calculation for general purposes would be as follows:

Example: Hypersperse AF250B dosage was determined to be 20 ppm. If the system feed flow is 100 m³/day, at what rate must the chemical be applied?

$(\text{Feed flow m}^3/\text{day})/1000 \times (\text{ppm Hypersperse})$
= Kg per day

Kg per day / Specific Gravity

= litres per day of Hypersperse

Calculation:

$(100/1000) \times 20 = 2 \text{ kg per day}$

$2 / 1,05 = 1.9 \text{ litres per day}$

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

packaging information

This product is available in a variety of packages. Precautions should be taken to prevent the liquid from freezing as it may separate. Product integrity may be restored by slowly warming and then agitating.

safety precautions

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

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