Hypersperse* AF250UL

antiscalant / antifoulant

Water Technologies & Solutions
fact sheet

- Effectively controls scales including calcium carbonate up to LSI +3.0, calcium sulphate, barium sulphate, and strontium sulphate.
- Compatible with all of the leading RO membranes.
- Effective in feedwaters that range in pH from 5 - 9.
- May be fed neat or diluted.
- Good tolerance to aluminium and iron oxides.
- Not suitable for use in producing potable water.

description and use

Hypersperse AF250UL 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 shows excellent results in membrane separation processes including reverse osmosis, nanofiltration and ultrafiltration applications.

typical applications

For maximum effectiveness, Hypersperse AF250UL 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 dilution is 5 % with RO permeate or DI water.

Typical dosage range is between 4 and 12 ppm.

A simple dosage calculation for general purposes would be as follows:

Example: Hypersperse AF250UL dosage was determined to be 4.0 ppm. If the system feed flow is 100 m^3/day, at what rate must the chemical be applied?

(Feed flow m^3/day)/1000 x (ppm Hypersperse) = Kg per day

Kg per day / Specific Gravity = litres per day of Hypersperse

Calculation:

(100/1000) x 4.0	=	0.4 kg per day
0.4 / 1.15	=	0.35 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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