

Hypersperse* MDC706

Antiscalant/Antifoulant

- Controls calcium scales up to LSI +3.0, and is excellent at controlling calcium sulfate
- Compatible with all standard RO, NF, and EDR membranes
- Effective over a wide pH range
- May be fed neat or diluted
- Certified for use in potable water applications (Certified to NSF/ANSI Standard 60)
- Compatible with feed-waters that contain aluminum and iron oxides

Description and Use

Hypersperse* MDC706 is a highly effective liquid antiscalant/antifoulant developed to control scale precipitates and reduce particulate fouling within membrane separation systems by dispersing particulate foulants.

This highly effective liquid antiscalant/antifoulant is specially formulated to allow usage with cationic polymer-based coagulants such as SoliSep* MPT150. It is imperative that the coagulants used are compatible with the antiscalant/antifoulant being injected as incompatible chemicals may cause membrane fouling.

For maximum effectiveness, Hypersperse MDC706 should be added prior to the static mixer or cartridge filter housing.

Dosing

The typical dosage range is between 3 and 6 ppm (mg/L). For potable applications the maximum dosage is 8 ppm (mg/L).

Important Note: Over and under-dosing may cause membrane fouling. Contact your local GE Water & Process Technologies representative to define the optimal feed point and dosage rate.

Dilution Guidelines: On-site dilution of Hypersperse MDC706 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 is observed, sanitize the tank and reduce the batch size. For best results, Hypersperse MDC706 should be fed neat.

Packaging Information

Hypersperse MDC706 is a liquid material, available in a wide variety of customized containers and delivery methods. Contact your GE sales representative for details.

Storage and Handling

Protect from freezing.

Safety Precautions

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

