

Rogun* 881

biocontrol agent

description and use

Rogun 881 is a broad-spectrum biocontrol agent that exhibits fast acting bactericidal activity at low dose levels. Application of Rogun 881 is by injection into the feed stream during operation of the membrane plant while permeate is discharged to drain. Normal dosage time is 30 minutes per application.

Rogun 881 is designed to be used as the maintenance procedure in a three step programme to control biological growth in membrane separation equipment where biofouling potential is considered to be an operational problem. The frequency of the Rogun 881 application should be determined by a study of the normalised system performance, taking into consideration the level of biological activity in the feed, permeate and reject streams. This evaluation can be carried out by SUEZ personnel to determine the appropriate dose level, application frequency and injection points.

Rogun 881 possesses two characteristics that make it unique among biocontrol agents;

Rapid degradation to relatively non-toxic end products. The dominant degradation pathway under use conditions involves reaction with nucleophilic substances or organic material found invariably in natural waters.

Extremely fast antimicrobial action in conditions found within membrane separation plant.

typical applications

For optimum results, the system should be cleaned with Kleen* MCT882 or Kleen MCT511 prior to the start of the Rogun 881 treatment regime.

Water Technologies & Solutions fact sheet

treatment and feeding requirements

Rogun 881 should be applied direct from the shipping container and should not be diluted prior to injection

To calculate the required dose rate (mls/min) of Rogun 881 multiply the feed flow (m³/hr) by a factor of 6.

Dosing Example:

Feed flow is assumed to be 1 m³/hr and Rogun 881 is to be applied for 30 minutes.

Feed flow, m³/hr x 6 = dose rate mls/min

Dose rate mls/min x mins = mls Rogun 881

Calculation: 1 x 6 = 6 mls/min of application

6 x 30 = 180 mls Rogun 881

The permeate from the plant should be directed to drain prior to the application of Rogun 881 to the feed stream.

Discontinue injection and rinse system for 15 minutes.

Check permeate conductivity and rinse until the permeate conductivity returns to within membrane specification under normalised conditions.

Return system to online operation.

packaging information

Rogun 881 is a liquid material, available in a wide variety of customized containers and delivery

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methods. Possible pack types are e.g. 20 kg pails and 200 kg plastic drums. Contact your SUEZ representative for more details.

safety precautions

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

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