



TM

VCHEM 2010

Membrane Antiscalant

Description

VCHEM 2010 is a membrane antiscalant. In membranes system higher permeate recovery are limited by calcium carbonate and sulphate scales. **VCHEM 2010** has found application as an antiscalant and antifoulant in a wide selection of brackish, high salinity, process and effluent waters.

Product Benefits

Superior control of calcium carbonate scale. Iron and silica dispersant quality. Compatible with all types of membranes. Extends useful membranes life. The product is effective over a broad spectrum of waters.

Self life period of more than 2 years.

Normal Dosage

VCHEM 2010 should be dosed 3-10ppm . For Maximum control continuous dosing is desirable, using a dosing system.

PRODUCT PERFORMANCE PARAMETERS	RESULTS	REMARKS
LSI	+2.5	May exceeded in some condition, in concentrate.
Calcium Sulphate	225 % Max. Saturation Limit	Related to water Input
Strontium sulphate	600% Max. Saturation Limit	As above
Barium Sulphate	6000% Max Saturation Limit	As above
Silica	180% Max Saturation Limit	May be exceeded

Typical Properties

Appearance : Light yellow

Density : 1.2 approx.

pH : Alkaline Flash

Point : None

Packing

VCHEM 2010 is available in 25,35,50 and 200 Ltrs drum.

Product specification can be changed without notice

VISHNU CHEMICALS,C-914,Jahangirpuri, New Delhi-110033 Website : <http://www.vishnuchemicals.in>.Email : brijpal@vishnuchemicals.in , info@vishnuchemicals.in , HOTLINE CONTACT : +91-98111-15847



VCHEM 2011

Biological Fouling Removal and Prevention

Description

VCHEM 2011 is a highly efficient Microbiocide. This product is ideally suited for use in membrane based system. Membrane can accumulate or even promote growth in certain condition. These organism can quickly lead to the loss of performance and permeate output from the system.

Micro –organism do not develop immunity towards **VCHEM 2011**. It is also singularly effective in the control of bacteria, mold , fungus and yeasts.

Normal Dosage

VCHEM 2011 should be dosed 10 -30 ppm. Cleaning operation may be carried out at a rate of 3-5 % solution of product with water and circulated for 2 Hours, new preparation with same concentration should be made and after soaking for 1 hours should be removed from the system.

WARNING

The product can cause serious eye and skin damages. Contact with the product should be avoided in all condition. Water should be used in any emergency or incase of spillage. The product oxidizing in nature, may cause fire in contact with cotton or other chemicals .

Typical Properties

Appearance : Colorless

Liquid Density : 1.04 approx.

pH : Acidic

Volatility : Volatile at normal Temp.

All Industrial chemical precaution like boot, goggles should be used.

Packing

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VCHEM 2017

Chemical Cleaning Agent for Membranes

Description

VCHEM 2017 is a low pH membrane cleaner, specially effective for calcium carbonate, sulphate and Iron oxide deposit. The product is a blend of organic acid, dispersing and wetting agent.

VCHEM 2017 is an alternative to citric acid and EDTA cleaning in single step and poses minimum effluent problem.

Use

Doses For chemical cleaning of all types of fouling, scale and deposition in membranes based system like Reverse osmosis, Nano Filtration and Ultrafiltration system.

The product should be dosed to reduce the pH to 2.5 -3.5, the solution should be prepared with Demineralised water and in no case raw water should be used. Recirculate the solution for 2-4 hours, when the pH become stable drain the solution add fresh solution soak for 1hour and then drain and reuse the system.

Typical Properties

Appearance : Water White Liquid/ White

Crystal Density : 1.15 approx.

pH : Acidic

Flash Point : None

The product is fully compatible with all membranes.

Packing

VCHEM 2017 is available in 25,35,50 and 200 Ltrs drum.

Product specification can be changed without notice

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