

TECHNICAL BULLETIN



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Date of Issue: 4/4/2016

Last revision: February 2016

File C:\Users\Conrado Concepcion\AppData\Local\Temp\WordHelper\MemCleanMBS.doc

MEM CLEAN MBS ACID SANITISER FOR RO MEMBRANES

MEM CLEAN MBS
Contains 400 g/L SODIUM METABISULPHITE when packed

DANGER
Harmful if swallowed.
Causes serious eye damage.
Wash hands thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear eye protection/face protection.
IF SWALLOWED: Call a POISON CENTER or doctor /physician if you feel unwell. Rinse mouth.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
Dispose of contents/container to a licensed contractor in accordance with local/regional/national/international Regulations

Additional information is listed in the Material Safety Data Sheet
IN AN EMERGENCY DIAL 000 POLICE OR FIRE BRIGADE

CONTENTS 200 L
BATCH NO. 16183



101000404

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MEM CLEAN MBS is an acid sanitiser for use on Membrane plants in the food industry.
MEM CLEAN MBS should be dosed at 0.1% v/v to 0.3% v/v at ambient temperature and left in contact with the Membrane for at least 30 minutes. Ensure that manufacturers' recommendations with respect to temperature, pH, time and concentration are met

CORROSIVE
8

UN 2693 BISULFITES, AQUEOUS SOLUTION, N.O.S.(SODIUM METABISULFITE) CLASS 8
HAZ CHEM 2X PG III



MATERIAL & FUNCTION

Mem CLEAN MBS is a concentrated solution of sodium metabisulfite (the commercial form of sodium bisulfite). It is a source of sulfur dioxide which has strong antimicrobial properties.

Function: Mem CLEAN MBS is an acid sanitiser for use on membrane plants in the food Industry. Sodium metabisulfite is used to inhibit the growth of wild yeasts, bacteria, and fungi.

Microbial growth can occur on either side or within the membrane. To be effective in killing microbes in the units when only one side of the membrane is available to treatment the antimicrobial composition must be able to pass through the membrane. Most common organic antimicrobial compounds having molecular weight greater than

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about 150 cannot successfully prevent or destroy microbial growth within membranes and on both surfaces since they cannot pass through the membrane.

APPLICATION

Mem CLEAN MBS is used in preventing microbiological growth on a reverse osmosis membrane in the cheddar cheese whey recovery process.

DIRECTION FOR USE

MEM CLEAN MBS should be dosed at 0.1 % v/v to 0.3% v/v at ambient temperature and left in contact with the Membrane for at least 30 minutes. Ensure that manufacturer's recommendations with respect to temperature, pH, time and concentration are met

Theoretically, Mem CLEAN MBS contains 37% sodium metabisulfite. However, It does react with oxygen in the air and will lose some activity as Sulfur dioxide gas. At full strength, Mem CLEAN MBS contains the equivalent of 24 % SO₂.

CAUTION

Avoid contact with skin and eyes and avoid breathing vapour or spray mist. A Material Safety Data Sheet (MSDS) is available on request. Classification: Xn Harmful. R22 Harmful if swallowed. R31 Contact with acids liberates toxic gas. R41 Risk of serious damage to eyes.

PACKAGING

15L cube, 200 Litre plastic mauser

IMPORTANT NOTICE TO CUSTOMER

*Since the use of this product is beyond the control of either seller or manufacturer, their only obligation shall be to replace any quantity of product which is proven defective. They cannot assume any risk or liability in excess of the purchase price of the product itself, which does not include labour or any consequential damages resulting from the use of this product. Determining the suitability of this product for any intended use shall be solely the responsibility of the user. **ALWAYS TEST FIRST.***