

TM BISTERIL

DISINFECTANT FOR WINE CELLARS BASED ON ACTIVE OXYGEN.

COMPOSITION AND DESCRIPTION

Liquid, inorganic disinfectant. Its microbiocidal effect is based on the splitting of highly effective atomic oxygen. By using the SINGULOX® - method, a higher level of disinfection is achieved through the releasing of hydroxyl-radicals. There is no corrosion of stainless steel, aluminium, copper or other light metals when following the recommended application. It has a catalytic corrosive effect on iron. TM BISTERIL® is slightly acid, contains no surfactants and can therefore be rinsed off easily. TM BISTERIL® contains no harmful heavy metal ions. Through the contact with alkalines, the oxygen is set free and the result is a strong bleaching effect.

density: (20°C): 1,12 g / cm³
pH - value (at 100g / l H₂O): 2 - 4
expires within: 12 months at 5 - 20 °C

APPLICATION

TM BISTERIL® is used in the food- and beverage industry to disinfect tanks, containers, pipes, apparatus in the CIP-procedure, as well as for the long-term- and dipping disinfection. The interrelation between concentration, temperature and the reaction time can be characterized as follows:

<u>Concentration</u>	<u>temperature</u>	<u>minimum reaction time</u>
0,5 %	70°C	5 minutes
0,5 %	50°C	20 minutes
1-2 %	12-15°C	8 hours (standing disinfection)
1%	cold	1 minute (SINGULOX® method)
2,5 %	cold	some hours, depending on the equipment,sterilization only for wine bottles.

TM BISTERIL

The wine institute of Klosterneuburg / Austria certifies that TM BISTERIL® can be used for the following procedures (Wk 1/91/aZ-V/724):

1. Sterilization of used bottles after they have been cleansed: Prepare a solution of 2,5% TM BISTERIL® with cold water, rinse for at least 3 seconds, let the bottles drip for 30 minutes, or rinse with sterile water (drinking water).
2. ATTENTION: Wine can be adversely affected (the SO₂ concentration in the wine is reduced!) if the bottles are left to drip for less than the prescribed time.
3. Sterilization of layer-filters and the whole bottle-line: 0,5%, cold for 8 hours or warm (50°C) for 20 minutes.
4. long-term disinfection of the filling line
5. the disposal of SO₂ wet conservation: see special cleaning instruction
6. the disposal of active chlorine in th waste water

TM BISTERIL can be used for cold sterilisation of membrane filters with nylon membranes.

Titration to check TM BISTERIL®-solution:

Pour 5ml of the ready made solution in an Erlenmeyer flask and dilute with about 100ml of water; next add about 10ml of sulphuric acid (25%) and while swaying it, titrate with a 0.1n potassium permanganate solution until the colour stays pink.

Formula: Quantity used in (ml) x 0.09 = % TM BISTERIL®.

The product contains stabilized hydrogen peroxide in euro-pharma quality. Never let the TM BISTERIL® concentrate get into contact with organic substances (fats, oils, caoutchouc, rubber)! Only take the needed quantity out of the barrel! Never return left - overs into the barrel!

FORM OF DELIVERY: 5-kg-can, 30-kg-can, 200-kg-barrel, 1000-kg-container

MARKING ACCORDING TO THE CHEMICAL LAW: C corrosive

For more information, please see the safety leaflet.

Use biocides safely. Always read the label and product information before use.