



Quat-free terminal disinfectant for open plant cleaning applications

Description

Divosan SaniSigma is a terminal disinfectant specifically formulated for the disinfection of floors, walls, utensils, equipment and hard surfaces (including food contact surfaces) and is suitable for use in meat and poultry processors, snack foods, dairies, beverage plants and most other types of food processing operations.

Key properties

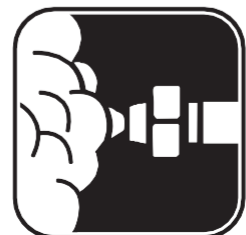
- Divosan SaniSigma contains a blend of sequestrant and alkaline builders. Divosan SaniSigma is quat-free. This combination of ingredients provides highly effective soil removal and disinfectant action against most vegetative forms of microorganisms including gram-positive and gram-negative bacteria and yeasts.
- Divosan SaniSigma can be used manually and by soak or spray application. Its foaming properties also make it possible to use with suitable foam application equipment.
- Divosan SaniSigma at 1% has been subjected to taint testing by independent laboratories and if used in accordance with instructions for use, will not give rise to taint.
- Divosan SaniSigma also passes the modified, low temperature, retailer test for Bactericidal activity.

Benefits

- Broad spectrum terminal disinfectant action
- Suitable for use in soft or hard water
- Non-taint

Use instructions

Pre-rinse the surface before use. Use Divosan SaniSigma at 1%. Always rinse thoroughly after use





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Technical data

Appearance: clean colourless to yellow liquid

pH (1% solution at 20°C): 11.4

Relative density (20°C): 1.15

Chemical Oxygen Demand (COD): 329.3 gO₂/kg

Nitrogen Content (N): 21 g/kg

Phosphorous Content (P): None

The above data is typical of normal production and should not be taken as a specification.

Safe handling and storage information

Store in original closed containers, away from extremes of temperatures. Full guidance on the handling and disposal of this product is provided in a separate Safety Data Sheet.

Product compatibility

Divosan SaniSigma is safe for use on the materials commonly found in the processed food industry when applied under the recommended conditions. Always rinse surfaces thoroughly after use. In the event of uncertainty, it is advisable to evaluate individual materials before any prolonged use.

Test method

Reagents:

Bottle QA1 (0,5 % Chrom azurol S; 30% 2-propanol; 69,5% deionized water)

Bottle QA2 (1 mol/L of Nitric acid in deionized water)

Bottle QA3 (4% solution of Sodium dodecylsulphate in deionized water)

Procedure:

Fill 10 ml of the test solution into a small conical flask and add 5 drops of QA1 solution. Then add drops of the QA2 solution one at a time until the sample changes to a purple colour and add two more drops.

Add the QA3 solution one drop at a time and make sure that the drops are formed sheer without any pressure onto the bottle, swirling the conical flask after each drop, until the colour changes from purple/red to yellow-orange. Count how many drops of QA3 were required.

Calculation:

Total number of drops x 0,062 = % (w/w) Product

Microbiological data

EN 1276:2009 standard (defined conditions; 5 minutes at 10°C under clean & dirty conditions) for the test strains *Staphylococcus aureus*, *Enterococcus hirae*, *Escherichia coli*, *Pseudomonas aeruginosa*, *Salmonella Typhimurium*, *Listeria monocytogenes* and *Yersinia enterocolitica*. The product showed greater than 5 log reduction) at a concentration of 0.75%.

EN 13697: 2015 standard (obligatory conditions; 5 minutes between 18-25°C under clean & dirty conditions) for the test strains *Staphylococcus aureus*, *Escherichia coli*, *Pseudomonas aeruginosa*, the product showed greater than 4 log reduction at a concentration of 0,75%. For the test organism *Enterococcus hirae*, the product achieved a >4 log reduction under clean conditions at 1% concentration.

EN 1650:2008 +A1: 2013 standard (obligatory conditions; 15 minutes at 20°C under clean & dirty conditions) for the test organisms *Candida albicans* and *Saccharomyces cerevisiae*. The product showed greater than 4 log reduction at a concentration of 0.75%.



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