



# BIOCIDA V05

## SANITIZER FOR FOOD INDUSTRY

### COMPOSITION



BIOCIDA V05 comes in a volatile, clear liquid form with a characteristic pungent odour of acetic acid.

BIOCIDA V05 is a stabilized solution containing peracetic acid (5 w/w), water, acetic acid and hydrogen peroxide (15% w/w).

### CHARACTERISTICS



BIOCIDA V05 is a wide-spectrum product that has been specially created for sanitizing all food industry systems. BIOCIDA V05 owes its sanitizing properties to its peracetic acid and hydrogen peroxide content; during decomposition, these substances develop oxygen which performs its sanitizing activity by modifying the protein component of the cellular membrane. Having completed its oxidizing activity, the residual product becomes a water and acetic acid solution.

BIOCIDA V05 is recommended for all critical applications requiring a controlling action over the development of microorganisms.

### APPLICATIONS



BIOCIDA V05 is extremely easy to use. On surfaces that have already been deterged there are excellent results in eliminating microbes. It has a wide-spectrum activity, it is also effective against yeast spores and has an antiviral activity, as well. Non-foaming.

### DIRECTIONS FOR USE



Concentrations can vary between 0,2% to 1% **in cold water**. The minimum contact time can change between 15 and 20 minutes. BIOCIDA V05 solutions can be used for preserving various rust-proof materials in aseptic conditions for indefinite periods. For longer contact times, it is recommended to renew the solution from time to time.

### PACKAGING



20 kg drums.



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## LABORATORY CONTROL METHOD

Take 10 mL of BIOCIDA V05 solution and add 20 mL of sulphuric acid at 25%, 10 mL of potassium iodide solution at 20% and 1 mL of ammonium molybdate solution at 3%. Leave to rest for a few minutes then perform titration with sodium thiosulphate 0.1 N until a clear yellow colouring is achieved; add a few drops of starch water and continue titration with the sodium thiosulphate 0.1 N until the grey-blue colour disappears.  
 $\% \text{ BIOCIDA V05} = \text{mL of sodium thiosulphate } 0.1 \text{ N} \times 0.068$



## STORAGE

Keep away from heat sources (max 30° C); store in the original container which must be closed securely. Dust, dirt, rust, etc. can cause a decline in the titre.



## HAZARD

Based on the current European regulations the product is classified: hazardous (see MSDS).



## CORROSIVE ACTION

BIOCIDA V05 does not damage stainless steel but may damage aluminium, zinc, iron, copper and their alloys. Avoid contact with rubber, resin, cement. For other materials, it is recommended to carry out tests on a small scale.