

DIVERFOAM ACTIVE VT70

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Product definition and application

Highly effective oxidizing foam disinfectant based on peracetic acid for use in the food, beverage and dairy industries.

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

User instructions

Make sure the surfaces are clean and washed before disinfection.

Dosage: 1.5 - 3%. Should be used with cold water. Avoid using water at temperatures above 50 °C, as this gives a strong / unpleasant odor of vinegar.

When using an air injector, a concentration of 3% is recommended to get the correct texture on foam.

Rinse with bacteriologically satisfactory water after disinfection.

At the end of the working day, you can wait to rinse off for the disinfection right before the production starts the next day.

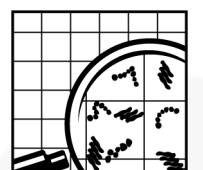
As a concentrate, Diverfoam Active must not come in contact with any material other than acid-proof stainless steel or plastic (teflon, polyethylene, polypropylene). Do not use rubber hoses.

Product properties

Solubility:	Foaming
Density:	ca. 1,07 kg/l
pH:	1,5 (conc.), ca. 3 (1 % solution), ca. 2 (10% solution)
Reactivity:	The product slowly decomposes to oxygen, acetic acid and water. This reaction occurs faster under the influence of light or heat. Contact with e.g. Iron or copper increases the reaction rate. In contact with organic material, e.g. clothing, self-ignition may occur.
Corrosion:	Stainless steel is not affected.

Storing conditions and durability

Store dark, cool and frost proof. Should be used within one year of production.



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Test method

Reagents: 0,1N Potassium permanganate
0,1N Sodium thiosulfate
Potassium iodide (10%)
Sulphuric acid (25%)

Procedure: If the sample which contains peracetic acid is warm, put it in an ice bath to cool down until room temperature (20°C). For more accurate results and repeatability cooling the test solutions to 4-8°C will help. Higher temperatures of the sample can lead to an error in the peracetic acid determination.

Add 5ml of sulphuric solution to 50ml of the test solution. Titrate with the potassium permanganate solution until a faint pink color persist (add the titrant quickly at the beginning and slowly towards the end of titration). Then add 10 ml potassium iodide solution (the solution turns into the orange-brown color) and titrate with sodium thiosulphate until colorless.

Calculation: % w/w Diverfoam Active = ml Sodium thiosulfate x 0,32
ppm peracetic acid (PAA) = ml Sodium thiosulfate x 76

Typical conductivity values:

Diverfoam Active [% w/w]	Conductivity at 25 °C [mS/cm]
0,5	0,19
1	0,27
1,5	0,35
2	0,42
2,5	0,49
3	0,55
3,5	0,61
4	0,67

Efficacy tests (only available in Norwegian)

Oversikt over EN-tester og organismer for Diverfoam Active VT70, samt konsentrasjoner og virketider for beståtte tester					
Standard	Konsentrasjon	Virketid	Type organismer	Organismer	Testbeskrivelse
EN 14476	10,00 %	15 min	Virucid	Poliovirus Type 1	Kvantitativ virucid suspensjonstest, 20 °C og dirty. Krav til log reduksjon: ≥ 4 log
	5,00 %	15 min	Virucid	Adenovirus Type 5	
	5,00 %	15 min	Virucid	Murine Norovirus	
EN 13697	1,00 %	5 min	Baktericid	Staphylococcus aureus	Kvantitativ baktericid overflatetest, 18-25 °C, clean og dirty. Krav til log reduksjon: ≥ 4 log
	1,00 %	5 min	Baktericid	Enterococcus hirae	
	1,00 %	5 min	Baktericid	Escherichia coli	
	1,00 %	5 min	Baktericid	Pseudomonas aeruginosa	
	1,00 %	5 min	Baktericid	Staphylococcus aureus	Kvantitativ baktericid og fungicid overflatetest, 20 °C og clean. Krav til log reduksjon: - Baktericid ≥ 4 log - Yeasticid/Fungicid ≥ 3 log
	1,00 %	5 min	Baktericid	Enterococcus hirae	
	1,00 %	5 min	Baktericid	Escherichia coli	
	1,00 %	5 min	Baktericid	Pseudomonas aeruginosa	
	0,50 %	15 min	Yeasticid	Candida albicans	
	2,00 %	15 min	Fungicid	Aspergillus niger/brasiliensis	
EN 1276	1,00 %	5 min	Baktericid	Staphylococcus aureus	Kvantitativ baktericid suspensjonstest, 10 °C , clean og dirty. Krav til log reduksjon: ≥ 5 log
	1,00 %	5 min	Baktericid	Enterococcus hirae	
	1,00 %	5 min	Baktericid	Escherichia coli	
	1,00 %	5 min	Baktericid	Pseudomonas aeruginosa	
	0,25 %	5 min	Baktericid	Escherichia coli O157	
	0,25 %	5 min	Baktericid	Salmonella Typhimurium	
	0,25 %	5 min	Baktericid	Listeria monocytogenes	
	0,25 %	5 min	Baktericid	Yersinia enterocolitica	
	0,25 %	5 min	Baktericid	Listeria monocytogenes	Kvantitativ baktericid suspensjonstest, 20 °C, clean og dirty. Krav til log reduksjon: ≥ 5 log
	0,25 %	5 min	Baktericid	Salmonella enterica	
	0,25 %	5 min	Baktericid	Staphylococcus aureus	Kvantitativ baktericid suspensjonstest, 20 °C og dirty. Krav til log reduksjon: ≥ 5 log
	0,25 %	5 min	Baktericid	Enterococcus hirae	
	0,25 %	5 min	Baktericid	Escherichia coli	
0,25 %	5 min	Baktericid	Pseudomonas aeruginosa		
EN 1650	0,25 %	15 min	Yeasticid	Candida albicans	Kvantitativ fungicid suspensjonstest, 20 °C, clean og dirty. Krav til log reduksjon: ≥ 4 log
	1,00 %	15 min	Fungicid	Aspergillus niger/brasiliensis	
	0,25 %	15 min	Fungicid	Saccharomyces cerevisiae	
EN 13704	1,00 %	60 min	Sporicid	Bacillus subtilis	Kvantitativ sporicid suspensjonstest, 20 °C, clean og dirty. Krav til log reduksjon: ≥ 3 log
	1,00 %	60 min	Sporicid	Clostridium estertheticum	