

- Active ingredient:** Aldehyde, quaternary ammonia compounds
- Area of application:** food industry and farm
- Test method:** quantitative suspension test according to DIN EN 1276 and DIN EN 1650
- Test temperature:** 20° C

sterilization time [min]			
test organisms	high organic load ¹⁾		
	1,0	2,0	3,0
Gram positive bacteria:			
Staphylococcus aureus ATCC 6538	5	5	5
Enterococcus hirae ATCC 10541	5	5	5
Gram negative bacteria:			
Pseudomonas aeruginosa ATCC 15442		5	5
Escherichia coli ATCC 10536		5	5
Yeasts:			
Candida albicans ATCC 10231	15	15	15
Moulds:			
Aspergillus niger ATCC 16404	15	15	15

¹⁾ 3 g/l bovine serum albumine

Hygienemanagement and Consulting

Calvatis GmbH
Dr. Albert-Reimann-Str. 16a
D-68526 Ladenburg
Tel. +49 6203 105-0
Fax +49 6203 105-111

Calvatis GmbH
Kaiser-Josef-Platz 41
A-4600 Wels
Tel. +43 7242 42899-0
Fax +43 7242 42899-22

Calvatis srl
C.-Abarth-Str. 17
I-39012 Meran
Tel. +39 0473 232016
Fax +39 0473 256820

Calvatis B.V.
Dreef 1
NL-5325 XD Well
Tel. +31 343 563959
Fax +31 343 561102

Calvatis AG
Mülistr. 3
CH-8852 Altendorf
Tel. +41 55 451 1010
Fax +41 55 451 1011

The function of this data sheet is to provide information on the application of the above product. The technical details included in this sheet with regard to the application of the product are based on current technical experiences and are suitable for use in normal working conditions. In case of special or unusual working conditions, please consult our customer support service. Neither the data contained in this publication, nor recommendations made by either us or our application technology advisory service represents a legally binding guarantee of either the suitability of this product for a specific application nor of certain characteristics. We draw your attention in this respect to paragraph no.5 of our General conditions sale.

Bactericidal efficacy

After examination of the bactericidal efficacy in the quantitative suspension test under high soiling, according to EN 1276, the efficacy (reduction > 5 log) on the test organisms *Staphylococcus aureus* ATCC 6538, *Pseudomonas aeruginosa* ATCC 15442, *Escherichia coli* ATCC 10536 and *Enterococcus hirae* ATCC 10541 is proved. The bactericidal effectiveness of the product **calgonit DS 680** was proved to be sufficiently effective under high soiling at a concentration of 2,0 % at 20° within 5 minutes.

Fungicidal efficacy

After examination of the fungicidal efficacy in the quantitative suspension test under high soiling according to DIN EN 1650, the efficacy (reduction > 4 log) on the test organisms *Candida albicans* ATCC 10231 and *Aspergillus niger* ATCC 16404 was proved. The fungicidal effectiveness of the product **calgonit DS 680** was proved to be sufficiently effective under high soiling at a concentration of 1,0 % at 20° C within 15 minutes.

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Virucidal efficiency

Test method: quantitative suspension test according DIN EN14675 (2015)

Test temperature: 10° C

Sterillisation time	
Test organism	High soiling ¹⁾
concentration	4.0 %
Bovine entero virus typ 1 (ECBO LCR-4)	5 min

1) 3 g/l bovine serum albumine

After examination of the virucidal efficacy in the quantitative suspension test under high soiling, according to EN 14675 (2015) the efficacy (reduction > 4 log) on the test organism Bovine entero virus typ 1 (ECBO LCR-4) is proved.

The virucidal effectiveness of the product **calgonit DS 680** was proved to be sufficiently effective under high soiling at a concentration of 4.0 % at 10° within 5 minutes. The virucidal efficiency includes enveloped and non-enveloped viruses.

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

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