



Scheda Tecnica

Disinfettante concentrato con detergenti per oggetti ed ambienti. Uso domestico e civile
Presidio Medico Chirurgico – Registrazione 15568 del Ministero della Salute

Composizione:	100 g di prodotto contengono:	
	Didecildimetilammonio	g. 4,5
	Detergenti non-ionici	g. 6
	coadiuvanti e solventi q.b. a	100

Campi di impiego: Il SEPTAMON è un valido disinfettante a base di un particolare sale d'ammonio a catena doppia, con marcate proprietà detergenti. Per questo SEPTAMON pulisce a fondo e disinfetta efficacemente oggetti ed ambienti anche in condizioni particolarmente difficili, quali corsie e reparti ospedalieri, attrezzature di impianti sportivi, piscine e palestre, spogliatoi, servizi igienici, macelli, salumifici, caseifici, locali ed attrezzature dell'industria alimentare.

Modalità d'uso: Il SEPTAMON va diluito in acqua e quindi applicato alle seguenti dosi:

- per normali applicazioni disinfettanti-detergenti in ambienti domestico-civili e industriali: 1-2% in acqua.
- Per impieghi di profilassi ospedaliera: 2-4% in acqua a seconda del livello di rischio di infezione.

E' buona norma mantenere la soluzione di SEPTAMON a contatto con gli oggetti da disinfettare per almeno un'ora.

Avvertenze: Conservare fuori dalla portata dei bambini.
Conservare lontano da alimenti o mangimi e da bevande.
Nel caso di impiego in impianti dell'industria alimentare, il prodotto non deve comunque venire a contatto diretto o indiretto con i prodotti alimentari; dopo la disinfezione; se necessario, risciacquare con acqua pura.

Sicurezza: Evitare la combinazione con prodotti anionici, come i saponi.

Confezioni: Contenuto netto: ml 100 – 200 – 250 – 500 – 750
Lt 1 – 2 – 5 – 10
Lt 25 – 50 – 100 – 200 per uso professionale

Formulation DR-19a

General Purpose Disinfectant Cleaner

Function	Ingredients / Chemical name / Supplier	% wt
Biocide	Bardac 22 (Lonza) <i>Didecyldimethylammonium chloride</i>	9.0
Surfactant	C ₁₃ Fatty alcohol polyglycol ether, 8-9 Mol EO	6.0
Complexing agent	Trilon B Liquid, 40% (BASF) <i>EDTA, Sodium salt</i>	5.0
Builders	Sodium carbonate, anhydrous	1.0
	Sodium meta silicate 5 Mol H ₂ O (PQ-Europe, Van Baerle)	0.5
Solvent	Water, deionized	78.5

1. Manufacturing procedure

Dissolve the surfactant in water and add the other ingredients under stirring until the solution is clear and homogenous in following order: Sodium carbonate, Trilon B, Sodium meta silicate and Bardac 22

2. Physical properties

2.1 Appearance	clear / opaque liquid
2.2 Odour	not specific, saponaceous
2.3 Density at 20°C	1.02 g/cm ³
2.4 pH of concentrate	approx. 12.0
2.5 pH of 1% aqueous solution	approx. 10.5
2.6 Surface tension, 4 % aqueous solution	28.5 mN/m
2.7 Viscosity at 23°C	22 mPa·s (spindle 1, 20 rpm, Brookfield)
2.8 Refraction index, 20°C	1.358

3. Perfumes and dyestuffs

It is possible to add a perfume / or a dyestuff to the formulation.

We recommend that you contact on that purpose your current / local supplier for the appropriate perfume and / or dyestuff.

4. Registrations

Belgium Register No.: 388/B Use dilution for hospitals and institutions: 4 % / 1 hr.

Netherlands Register No.: 8348 N
Use dilution for hospitals and food industry: 1.0 %

Switzerland Registered with Federal Health Office, Bern
BAG T No.: 56868, Toxicity class No. 5, 24 November 1977
BAG E No.: 1208, 4 September 2001
Biocide, registration N° Z_B CHZB0037

U S A EPA No: 6836-28

The seller makes no warranty, expressed or implied, concerning the accuracy or any results to be obtained from the use of any information and no warranty expressed or implied concerning the use of the products other than indicated above. The buyer assumes all risks of use and/or handling. No statement is intended or should be construed as a recommendation to infringe any patent.

5. Antimicrobial efficacy

5.1 Bactericidal / Fungicidal performance

5.1.1 Tested according to DGHM (*German Society for Hygiene and Microbiology*)

Surface test (DGHM VIIth list)

Disinfection of hard surfaces in hospital and general practice:

Results: 4.0 %
4 hrs.

Certificates: Prof. Dr. R. Schubert, Frankfurt (M), 2 April 1984
Prof. Dr. J. Borneff, Mainz, 31 May 1983

Surface test, contaminated with Salmonella:

Results:	4.0 %	3.0 %	2.0 %
	1 h.	2 hrs.	6 hrs.

Certificate: Prof. Dr. J. Borneff, Mainz

Suspension test

Germ:	Results:	
Salmonellae	0.25 %	5 min.
Yersinia & Pasteurellae	0.1 %	5 min.

Certificate: Prof. Dr. R. Schubert, Frankfurt (M), 3 April 1999

5.1.2 Tested according to DVG (*German Veterinary Medical Society*)

Food sector

Results:	without organic load at 20 °C		in presence of organic load at 20°C	
Bactericide	1.5 %	30 min.	3.0 %	30 min.
	1.0 %	1 hr.	2.5 %	1 hr.
Fungicide	0.25 %	30 min.	0.75 %	30 min.
	0.125 %	1 hr.	0.5 %	1 hr.

Certificates: Prof. Dr. R. Schubert, Frankfurt (M)
Prof. Dr. G. Reuter, Berlin

5.1.3 Tested according to AFNOR

AFNOR NFT 72-201 (Fungi)

Result: 1.5 % 15 min.

Certificate: Laboratoire MIDAC, Lille, 31 May 1996

AFNOR NFT 72-190 (Surface: Inox)

Result: 2.0 % 15 min.

Certificate: Laboratoire MIDAC, Lille, 28 September 1985

AFNOR NFT 72-171 (spectre 4, water dF 30)

Result: 0.75 %

Certificate: Laboratoire d'Hygiène de la ville de Paris, 25 October 1990

AFNOR NFT 72-170 (interfering substances: Albumin & Yeast extract)

Result: 2.0 %

Certificate: Institute Pasteur de Lyon, 4 January 1982

The seller makes no warranty, expressed or implied, concerning the accuracy or any results to be obtained from the use of any information and no warranty expressed or implied concerning the use of the products other than indicated above. The buyer assumes all risks of use and/or handling. No statement is intended or should be construed as a recommendation to infringe any patent.

5.1.4 Tested according to European Norms (EN)

EN 1040

Bactericidal results, Test strains: P.aeruginosa, S.aureus
Result: 0.1 % 5 min.
Certificate: Lonza Basel, Laboratory LPC, 31 March 2000

EN 1276

Bactericidal results in presence of organic load (Albumin)
Test strains: P.aeruginosa, S.aureus, E.coli and E.hirae
Results: 1.0 % 0.3 g/l Albumin 5 min.
3.0 % 3.0 g/l Albumin 5 min.
Certificate: Dr. Brill, Hamburg, 23 November 2000

EN 1276

Bactericidal results in presence of organic load (Albumin)
Test strains: P.aeruginosa, S.aureus, E.coli and E.hirae
Result: 3.0 % 3.0 g/l Albumin 1 min.
Certificate: Lonza Basel, Laboratory LSIME, 11 January 2008

EN 1650

Fungicidal results in presence of organic load (Albumin)
Test strains: A. niger and C. albicans
Result: 25 % 0.3 g/l Albumin 15 min.
Certificate: Lonza Basel, Laboratory OPC-E, 29 October 2004

EN 13697 (Surface test)

Bactericidal result in presence of organic load (Albumin)
Test strains: P. aeruginosa, S. aureus, E. coli and E. hirae
Result: 0.5 % 3.0 g/l Albumin 5 min.
Certificate: Lonza Basel, Laboratory OPC-E, 4 April 2007

5.2 Virucidal performance

5.2.1 Tested according to BGA (now RKI) / DVV

Hepatitis-B virus

Results:
a) in presence of low organic load 1.0 % / 1hr.
b) in presence of high organic load 2.0 % / 2 hrs.
3.0 % / 30 min.
Certificate: Prof. Dr. G. Frösner, München, 6 May 1989

5.2.2 Tested according to EN 14476

Avian influenza virus (H₃N₈ / H₅N₁)

Results according EN 14476:2005
Influenza virus A/duck/Ukraine/1/63 (H₃N₈) was incorporated as surrogate of Avian influenza virus (H₅N₁) due to bio safety reasons.
Clean conditions 0.5 % 10 min.
1.0 % 5 min.
Dirty conditions 1.0 % 15 min.
Certificate: Dr. J. Steinmann, MikroLab Bremen, 13 February 2006

6. Use areas

Food Industry - Institutions - Hospitals - Swimming pools (surroundings)

The seller makes no warranty, expressed or implied, concerning the accuracy or any results to be obtained from the use of any information and no warranty expressed or implied concerning the use of the products other than indicated above. The buyer assumes all risks of use and/or handling. No statement is intended or should be construed as a recommendation to infringe any patent.

7. Handling and storage

Refer to MSDS.

8. Analytical procedure

Bardac 22 determination according norm ISO 2871-2.

9. Regulatory information

Recommendation for classification and labelling:



Symbol: Xi, Irritant

R-phrase: 41 Risk of serious damage to eyes

S-phrases: 2 Keep out of the reach of children.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
35 This material and its container must be disposed of in a safe way.
39 Wear eye / face protection.
46 If swallowed, seek medical advice immediately and show this container or label.

Special labelling of certain preparations:

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

National regulations:

Water hazard class 2 (WGK 2, Self-assessment): Hazardous for water

10. Ecological and ecotoxicological information

Biodegradability: Bardac 22 is biodegradable according to OECD-Confirmatory-Test

Spettro d'azione del Didecil dimetil ammonio (ddac)

Il Didecildimetilammonio è fortemente attivo su una vasta gamma di batteri **Gram+** , **Gram-** , **Miceti**, **Muffe**, **Alghe** e mostra una attività virucida anche nei confronti di **HBV**, **HCV** ed **HIV**, come riscontrabile da documentazione tecnica di prodotti con formulati uguali al Septamon e da letteratura scientifica delle aziende produttrici del principio attivo (LONZA Itd Basel Ch).

PHARMATEK PMC s.r.l.
Direttore Tecnico
Cristiano Baiocco



Ricerca, sviluppo e produzione di disinfettanti ambientali e per cute non lesa