

## Ungex Pro-Demodex Treatment Ingredient Reference Report and Related Articles

### Antiviral & Antiseptic Ingredients (PDT):

#### Water (Aqua)

##### Polysorbate 20:

<https://www.ncbi.nlm.nih.gov/pubmed/18848782>  
<https://www.ncbi.nlm.nih.gov/pubmed/12749415>

##### Glycerin:

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4415329/>  
<https://aac.asm.org/content/35/12/2463.short>

##### Geraniol:

<https://pdfs.semanticscholar.org/47dc/7e7ca0a8478710196d35db72919a0fd67e5e.pdf>

##### Phenoxyethanol:

<https://academic.oup.com/jac/article-abstract/25/6/921/705284>

##### Sodium Citrate:

<https://www.ncbi.nlm.nih.gov/pubmed/20849395>

##### Propylene Glycol:

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2135271/>  
<https://www.ncbi.nlm.nih.gov/pubmed/12749415>

##### Benzyl Alcohol:

<https://onlinelibrary.wiley.com/doi/abs/10.1002/0471238961.0205142613151511.a01>

##### Melaleuca Alternifolia (Tea Tree) Leaf Oil:

<https://www.sciencedirect.com/science/article/abs/pii/S0166354210008120>  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1360273/>  
<https://www.ncbi.nlm.nih.gov/pubmed/11338678>

##### Diazolidinyl Urea:

<https://aem.asm.org/content/49/2/370.short>  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC238409/>

##### Citric Acid:

<https://www.ncbi.nlm.nih.gov/pubmed/26864562>  
<https://www.sciencedirect.com/science/article/pii/S037811351100589X>  
<https://atlasofscience.org/hand-disinfectant-with-activity-against-all-viruses/>  
<https://aac.asm.org/content/48/7/2595>

##### Cocos Nucifera (Coconut) Oil:

<https://www.ncbi.nlm.nih.gov/pubmed/12558183>  
<https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1745-4565.1982.tb00429.x>  
<https://core.ac.uk/download/pdf/82728424.pdf>

#### Iodopropynyl Butylcarbamate

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#### Further information:

Certificate of Health: <https://www.ungexau.com/article/health-certificate.pdf>  
Certificate of Free Sale: <https://www.ungexau.com/article/cfs.pdf>  
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Certificate of Manufacture: <https://www.ungexau.com/article/certificate-manufacture.pdf>  
Trade Mark Registration Certificate: <https://www.ungexau.com/article/tm-ungex.pdf>  
Best Invention Award: <https://www.ungexau.com/article/best-invention-award.pdf>

## References:

### Polysorbate 20

1. Roberts, Peter L; Lloyd, David; Marshall, Philip J; Virus inactivation in a factor VIII/VWF concentrate treated using a solvent/detergent procedure based on polysorbate 20. *Biologicals*. 2009; 37(1):26-31. (<https://www.ncbi.nlm.nih.gov/pubmed/18848782>)
2. Thorgeirsdottir, TO; Thormar, H; Kristmundsdottir, T; Effects of polysorbates on antiviral and antibacterial activity of monoglyceride in pharmaceutical formulations. *Die Pharmazie-An International Journal of Pharmaceutical Sciences*. 2003; 58(4):286-287. (<https://www.ncbi.nlm.nih.gov/pubmed/12749415>)

### Glycerin

3. Nalawade, Triveni Mohan; Bhat, Kishore; Sogi, Suma HP; Bactericidal activity of propylene glycol, glycerine, polyethylene glycol 400, and polyethylene glycol 1000 against selected microorganisms. *Journal of International Society of Preventive & Community Dentistry*. 2015;5(2):114. (<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4415329/>)
4. Sydiskis, RJ; Owen, DG; Lohr, JL; Rosler, KH; Blomster, RN; Inactivation of enveloped viruses by anthraquinones extracted from plants. *Antimicrobial agents and chemotherapy*. 1991;35(12):2463-2466. (<https://aac.asm.org/content/35/12/2463.short>)

### Geraniol

5. Zanetti, M; Ternus, Z; Dalcanton, F; De Mello, MMJ; De Oliveira, D; Araujo, PHH; Riella, HG; Fiori, MA; Microbiological characterization of pure geraniol and comparison with the bactericidal activity of the cinnamic acid in gram-positive and gram-negative bacteria. *J. Microb. Biochem. Technol*. 2015;7(4):186-193. (<https://pdfs.semanticscholar.org/47dc/7e7ca0a8478710196d35db72919a0fd67e5e.pdf>)

### Coconut oil

6. Esquenazi, Daniele; Wigg, Marcia D; Miranda, Mônica MFS; Rodrigues, Hugo M; Tostes, João BF; Rozental, Sonia; da Silva, Antonio JR; Alviano, Celuta S; Antimicrobial and antiviral activities of polyphenolics from *Cocos nucifera* Linn.(Palmae) husk fiber extract. *Research in microbiology*. 2002;153(10):647-652. (<https://www.ncbi.nlm.nih.gov/pubmed/12558183>)
7. Hierholzer, John C; Kabara, Jon J; In Vitro Effects Of Monolaurin Compounds On Enveloped Rna And Dna Viruses I. *Journal of Food Safety*. 1982;4(1):44166. (<https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1745-4565.1982.tb00429.x>)
8. DebMandal, Manisha; Mandal, Shyamapada; Coconut (*Cocos nucifera* L.: Areaceae): in health promotion and disease prevention. *Asian Pacific journal of tropical medicine*. 2011;4(3):241-247. (<https://core.ac.uk/download/pdf/82728424.pdf>)

### Melaleuca Alternifolia (Tea Tree) Leaf Oil

9. Garozzo, A; Timpanaro, R; Stivala, A; Bisignano, G; Castro, A; Activity of Melaleuca alternifolia (tea tree) oil on Influenza virus A/PR/8: study on the mechanism of action. *Antiviral research*. 2011;89(1):83-88. (<https://www.sciencedirect.com/science/article/pii/S0166354210008120>)
10. Carson, CF; Hammer, KA; Riley, TV; Melaleuca alternifolia (tea tree) oil: a review of antimicrobial and other medicinal properties. *Clinical microbiology reviews*. 2006;19(1):50-62. (<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1360273/>)
11. Schnitzler, P; Schön, K; Reichling, J; Antiviral activity of Australian tea tree oil and eucalyptus oil against herpes simplex virus in cell culture. *Die Pharmazie*. 2001;56(4):343-347. (<https://www.ncbi.nlm.nih.gov/pubmed/11338678>)

### Propylene Glycol

12. Robertson, OH; Bigg, Edward; Puck, Theodore T; Miller, Benjamin F; With the Technical Assistance of Elizabeth A. Appell; The bactericidal action of propylene glycol vapor on microorganisms suspended in the air. I. *The Journal of experimental medicine*. 1942;75(6):593-610. (<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2135271/>)

### Sodium Citrate

13. Nagaoka, S; Murata, S; Kimura, K; Mori, T; Hojo, K; Antimicrobial activity of sodium citrate against *Streptococcus pneumoniae* and several oral bacteria. *Letters in applied microbiology*. 2010;51(5):546-551. (<https://www.ncbi.nlm.nih.gov/pubmed/20849395>)

### Citric Acid

14. Ionidis, Georgios; Hübscher, Judith; Jack, Thomas; Becker, Britta; Bischoff, Birte; Todt, Daniel; Hodasa, Veronika; Brill, Florian HH; Steinmann, Eike; Steinmann, Jochen; Development and virucidal activity of a novel alcohol-based hand disinfectant supplemented with urea and citric acid. *BMC infectious diseases*. 2016;16(1):77. (<https://www.ncbi.nlm.nih.gov/pubmed/26864562>)
15. Turner, Ronald B; Biedermann, Kim A; Morgan, Jeffery M; Keswick, Bruce; Ertel, Keith D; Barker, Mark F; Efficacy of organic acids in hand cleansers for prevention of rhinovirus infections. *Antimicrobial agents and chemotherapy*. 2004;48(7):2595-2598. (<https://aac.asm.org/content/48/7/2595>)

### Phenoxyethanol

16. Wilson, M; Stanley, A; Bansal, G; Newman, HN; Effect of phenoxyethanol, chlorhexidine and their combination on subgingival plaque bacteria. *Journal of Antimicrobial Chemotherapy*. 1990;25(6):921-929. (<https://academic.oup.com/jac/article-abstract/25/6/921/705284>)

### Benzyl Alcohol

17. Mookherjee, Braja D; Wilson, Richard A; Benzyl Alcohol and  $\beta$ -Phenethyl Alcohol. *Kirk-Othmer Encyclopedia of Chemical Technology*. 2000. (<https://onlinelibrary.wiley.com/doi/abs/10.1002/0471238961.0205142613151511.a01>)

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### Related Articles & References:

<https://www.sciencedirect.com/science/article/pii/S0195670120300463>

<https://www.ncbi.nlm.nih.gov/pubmed/12749415>

<https://www.ncbi.nlm.nih.gov/pubmed/18848782>