

# Product Information

## Multifunctionals:

# **Phenethylalcohol** nat.

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Product features:

- 100% plant derived
- COSMOS approved
- Aromatic alcohol
- Water soluble masking agent
- Excellent antimicrobial activity
- pH independent
- Rose-like scent

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An Evonik brand.

# Phenethylalcohol nat.

## The product: Phenethylalcohol nat.

This multifunctional additive is a natural compliant alternative to petrochemical derived Phenethylalcohol. It is isolated from bark and branches of *Cinnamomum cassia* and already COSMOS approved. The delicate rose-like scent will help mask undesired odours of raw materials and can round off the fragrance of the formulation. Furthermore, it shows good broadband antimicrobial activity and provides solvating properties, especially for fragrance components and pigments. Therefore, it is an ideal natural boosting agent and solvating agent for water based products.



### Characteristics

- *INCI: Phenethyl Alcohol*
- Appearance: colourless to slightly yellow liquid
- 100% naturally derived, already COSMOS approved and compliant with other standards for natural cosmetics (please contact us for further information)
- Clear water soluble (up to 2%)
- Mild rose-like scent
- Excellent synergistic effects with surface active materials (e.g. **dermo**soft® GMC or **dermo**soft® GMCY)
- Easy to handle (hot or cold processable)
- For aqueous based products, color cosmetics, O/W and W/O-emulsions
- pH independent

### Dosage

Product Concept	Dosage
Aqueous systems	0.5 – 1%*
W/O-emulsion	0.7 – 1% *
O/W-emulsion	0.7 – 1%*

\*At a dosage lower than 1% combination with a surfactant active (e.g. **dermo**soft® GMC or **dermo**soft® GMCY) is recommended.

### Antimicrobial efficacy

Gram +	Gram -	Yeast	Mould
+	++	+	++

Legend: + = good, but needs a co-active / ++ = very good alone

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## How to work with Phenethylalcohol nat.

### Manufacturing procedure (laboratory scale)

The liquid material **Phenethylalcohol** nat. is very versatile in application and can be used for almost all product types.

### Recommended procedure for emulsions:

*Hot or cold  
process possible.*

1. Add **Phenethylalcohol** nat. to the water phase  
*Note: It is possible to add **Phenethylalcohol** nat. to the water or oil phase at any step of production, if necessary.*
2. **Phenethylalcohol** nat. is pH independent and can be heated up to 96 °C.

### Aqueous Systems:

1. Add **Phenethylalcohol** nat. to the water phase and proceed as usual.

*Clear soluble.*

### Formulation advice

Boost antimicrobial efficacy	In emulsions a combination with a co-active is recommended (e.g. <b>dermo</b> soft® GMC or <b>dermo</b> soft® GMCY)
	In rinse-off formulations combine with organic acids (e.g. <b>dermo</b> soft® 1388 eco or <b>dermo</b> soft® 700B)
	In clear aqueous systems a combination with ethanol can boost the efficacy
Incompatibilities	In aqueous systems containing surfactants, an inactivation may occur

### Application Ideas

Perfectly suitable for natural compliance, aqueous based products (e.g. Tonics, Gels)

For more formulation ideas visit us at:

<https://www.dr-straetmans.de/en/products/>

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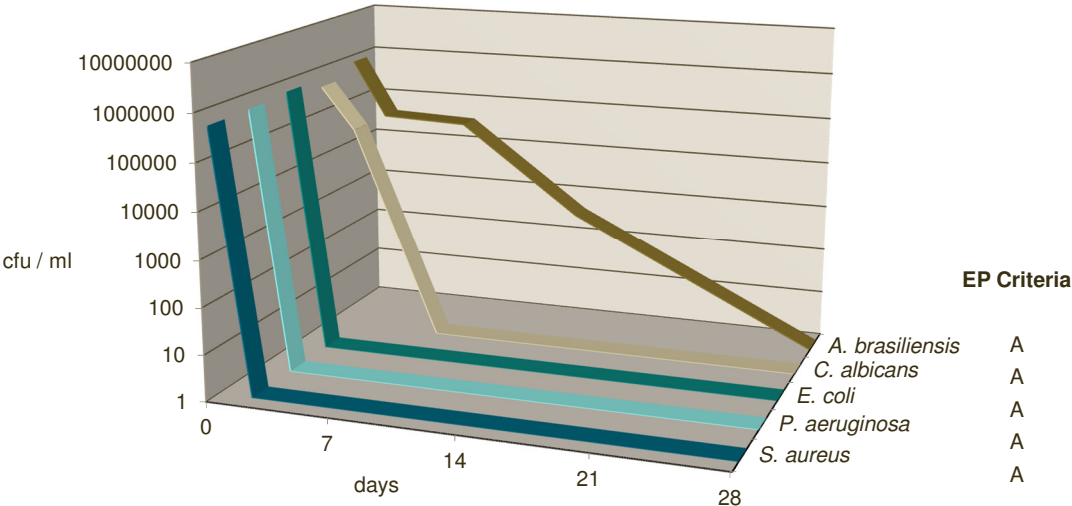
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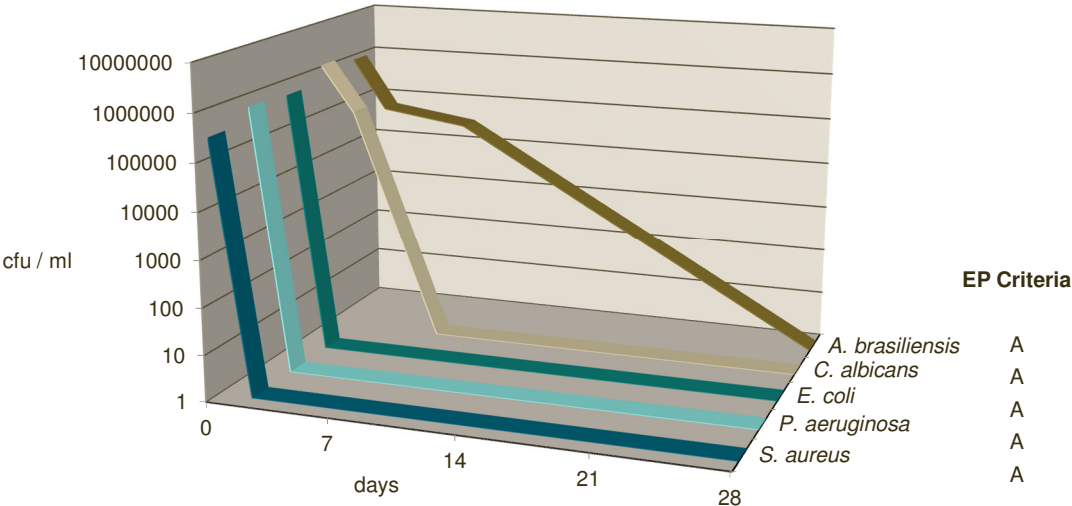
## Proof of Performance

### Performance in O/W emulsions

Natural Basic O/W-emulsion with 1.0% **Phenethylalcohol** nat. and 0.3% **dermo**soft® GMCY (pH 5.32)



Serum with 0.7% **Phenethylalcohol** nat. and 0.3% **dermo**soft® GMCY (pH 5.74)



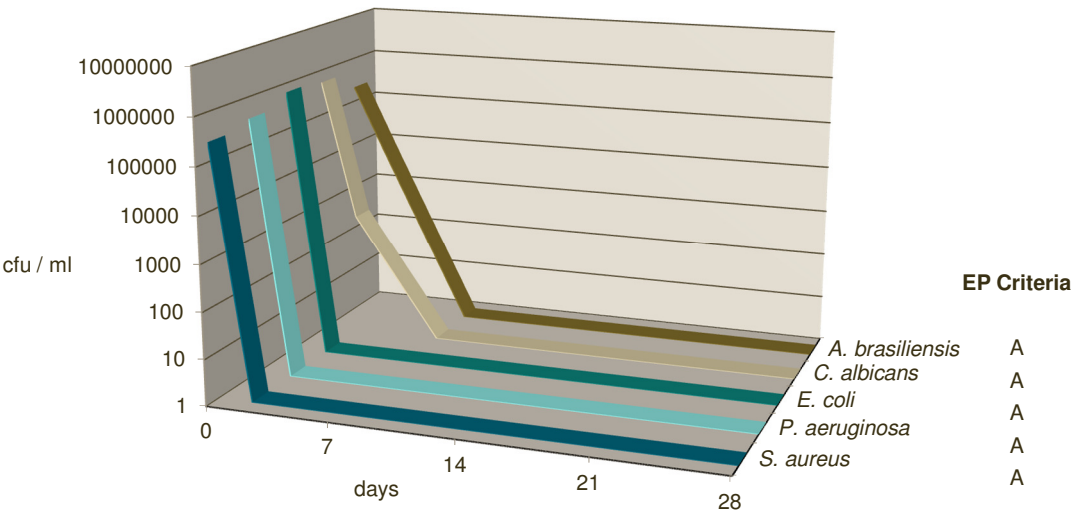
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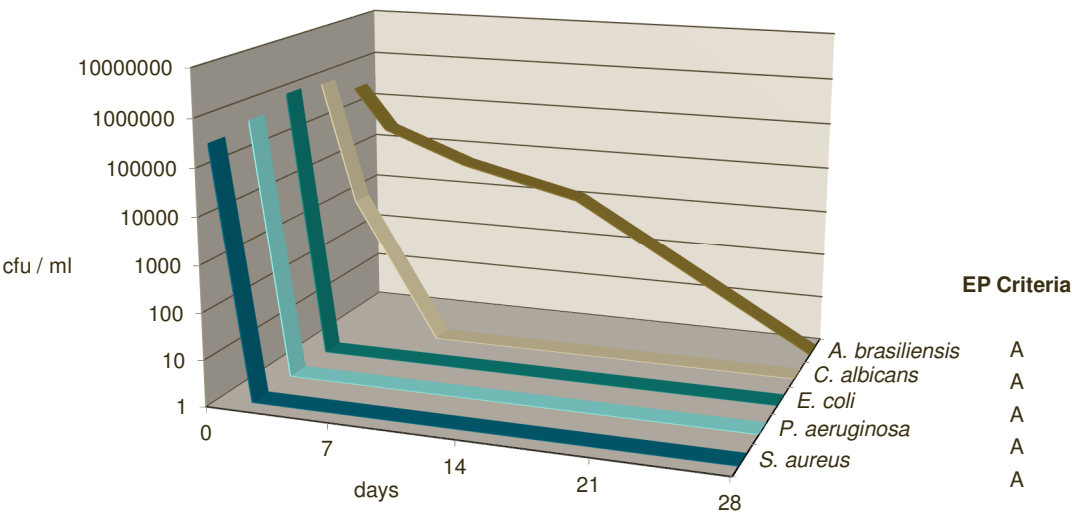
## Performance in aqueous products

Milky Wet Wipe Solution with 1% **Phenethylalcohol** nat. and 3.5% **dermosoft**® 1388 eco (pH 5.32)



## Unlimited pH range

Aqueous System with 1% **Phenethylalcohol** nat. (pH 6.4)



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## Trade Information

International Approval*	EU, USA, Canada, Australia, China, Japan, Korea.
Packaging	5 kg
Shelf life <i>(stored in original container)</i>	24 months

*\* Information is based on our best knowledge and reviewed for the most requested regions only. We recommend to check current regulatory requirements in individual target countries. For more information contact our regulatory department or refer to our regulatory status statement.*

For further information contact our Dr. Straetmans sales team:  
[sales@dr-straetmans.de](mailto:sales@dr-straetmans.de)  
or your local representative.

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# Dr. Straetmans Worldwide Network

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<https://www.dr-straetmans.de/en/meta/contact/>



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