



# responsible antimicrobial solutions for baby care

trade name INCI	biodegradable	features and benefits	pH value	rec. use conc. in %	applications			acc. EU Cosmetics Regulation	acc. CIR (USA)	acc. ASEAN Cosmetic Directive	Technical Safety Standards for Cosmetics (TSSC 2015) (China)	acc. Mercosur
					leave-on	rinse-off	wet wipes					
<b>euxyl™ k 701</b> preservative INCI: Phenoxyethanol (and) Benzoic Acid (and) Dehydroacetic Acid (and) Ethylhexylglycerin		<ul style="list-style-type: none"> <li>performs well in challenging formulations</li> <li>excellent cost-performance ratio</li> <li>ideal mild solutions for wet wipes</li> </ul>	≤6	0.4 - 1.2	+++	+++	+++	max. 1.26%	max. 1.26%	max. 1.26%	max. 1.26%	max. 1.26%
<b>euxyl™ k 703</b> preservative INCI: Phenoxyethanol (and) Benzoic Acid (and) Dehydroacetic Acid		<ul style="list-style-type: none"> <li>performs well in challenging formulations</li> <li>excellent cost-performance ratio</li> <li>ideal mild solutions for wet wipes</li> </ul>	≤6	0.4 - 1.2	+++	+++	+++	max. 1.23%	max. 1.23%	max. 1.23%	max. 1.23%	max. 1.23%
<b>euxyl™ k 712</b> preservative <sup>1</sup> INCI: Sodium Benzoate (and) Potassium Sorbate (and) Aqua (Water)		<ul style="list-style-type: none"> <li>ready-to-process liquid</li> <li>cost-effective allrounder</li> <li>COSMOS and NATRUE compliant</li> </ul>	≤5.5	0.5 - 1.5	+++	+++	++	max. 1.96% (leave-on) max. 5.35% (rinse-off)	max. 3.33%	max. 1.96% (leave-on) max. 5.35% (rinse-off)	max. 1.96%	max. 1.96% (leave-on) max. 5.35% (rinse-off)
<b>euxyl™ k 830</b> preservative INCI: Phenoxyethanol (and) Ethylhexylglycerin (and) Octenidine HCl		<ul style="list-style-type: none"> <li>contributes to in-process production hygiene</li> <li>optimized blend with strong fungicidal effect</li> <li>suitable for clear and anhydrous applications</li> </ul>	≤12	0.5 - 1.0	+++	+	+++	max. 1.11%	max. 1.11%	max. 1.11%	—	max. 1.11%
<b>euxyl™ pe 9010</b> preservative INCI: Phenoxyethanol (and) Ethylhexylglycerin		<ul style="list-style-type: none"> <li>vapor phase activity</li> <li>proven to be microbiome gentle</li> <li>suitable for clear and anhydrous applications</li> </ul>	≤12	0.5 - 1.0	+++	+	+++	max. 1.11%	max. 1.11%	max. 1.11%	max. 1.11%	max. 1.11%
<b>optiphen™ 200</b> preservative INCI: Phenoxyethanol (and) Caprylyl Glycol		<ul style="list-style-type: none"> <li>provides skin moisturization</li> <li>suitable for pH-independent rinse-off formulations</li> <li>suitable for anhydrous applications</li> </ul>	≤12	0.5 - 1.3	+++	++	+++	max. 1.35%	max. 1.35%	max. 1.35%	max. 1.35%	max. 1.35%
<b>phyteq™ raspberry i</b> multifunctional <sup>2</sup> INCI: Raspberry Ketone		<ul style="list-style-type: none"> <li>broad spectrum multifunctional booster with strong fungicidal efficacy at low use concentration</li> <li>gentle to native skin flora</li> <li>protects the skin barrier</li> <li>acts as an anti-inflammatory</li> <li>soothes the skin</li> </ul>	≤9	0.3 - 1.0	+++	++	++	no restrictions for the use in cosmetics	no restrictions for the use in cosmetics	no restrictions for the use in cosmetics	no restrictions for the use in cosmetics	no restrictions for the use in cosmetics
<b>sensiva™ pa 40</b> multifunctional INCI: Phenylpropanol (and) Propanediol (and) Caprylyl Glycol (and) Tocopherol		<ul style="list-style-type: none"> <li>powerful well-balanced multifunctional blend</li> <li>strong fungicidal efficacy</li> <li>provides moisturizing and emolliency</li> <li>mild floral scent</li> </ul>	≤12	0.5 - 1.5	+++	++	++	no restrictions for the use in cosmetics	safe as used	no restrictions for the use in cosmetics	no restrictions for the use in cosmetics	no restrictions for the use in cosmetics
<b>sensiva™ sc 10</b> multifunctional INCI: Ethylhexylglycerin (and) Caprylyl Glycol		<ul style="list-style-type: none"> <li>booster for antimicrobials</li> <li>provides moisturizing and emolliency</li> </ul>	≤12	0.5 - 2.0	+++	+	+++	no restrictions for the use in cosmetics	max. 6.66% (leave on) max. 7.14% (rinse-off)	no restrictions for the use in cosmetics	no restrictions for the use in cosmetics	no restrictions for the use in cosmetics
<b>sensiva™ sc 50</b> multifunctional <sup>2</sup> INCI: Ethylhexylglycerin		<ul style="list-style-type: none"> <li>booster for antimicrobials</li> <li>skin care emollient</li> <li>provides antioxidative properties</li> <li>boosting and fixating of fragrance ingredients</li> </ul>	≤12	0.1 - 1.0	+++	+	+++	no restrictions for the use in cosmetics	max. 2.0% (leave on) max. 8.0% (rinse-off)	no restrictions for the use in cosmetics	no restrictions for the use in cosmetics	no restrictions for the use in cosmetics

1) synthetically produced to be identical to a natural substance  
2) also available in 100% natural

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					leave-on	rinse-off	wet wipes					
<b>effisin™ hd</b> multifunctional INCI: 1,2-Hexanediol		<ul style="list-style-type: none"> <li>provides moisturizing and emolliency</li> <li>suitable for clear formulations</li> </ul>	≤12	0.5 - 3.0	+++	++	+++	no restrictions for the use in cosmetics	(max. 10%) safe as used	no restrictions for the use in cosmetics	no restrictions for the use in cosmetics	no restrictions for the use in cosmetics
<b>effisin™ pg natural</b> multifunctional <sup>3</sup> INCI: Pentylene Glycol		<ul style="list-style-type: none"> <li>provides moisturizing and emolliency</li> <li>suitable for clear formulations</li> <li>COSMOS and NATRUE approved</li> </ul>	≤12	1.0 - 5.0	++	++	++	no restrictions for the use in cosmetics	(max. 5.00%) safe as used	no restrictions for the use in cosmetics	no restrictions for the use in cosmetics	no restrictions for the use in cosmetics

Getting into the routine of caring for a baby can be a challenge. Making sure it is warm, fed, and clothed are the minimum basic imperatives, but most parents go beyond and look for the healthiest possible options. This, of course, extends to cleansing and care products. In the interest of best care practices, careful consideration must be given here due to the unique state of infant skin. At this early stage of development, their skin is immature, delicate, and very reactive to ingredients which may be present in soaps, lotions, powders, ointments and other topical care products.

On a physiological level, with a pH value of 6.5 - 7, baby's skin deviates significantly from the "acid mantle" of adults. Additionally, the thinner stratum corneum and epidermis, and a lower water holding capacity, call for carefully selected ingredients that are compatible with and acceptable for use on baby skin.

With a strong focus on mildness, protection, and moisturization, many of our antimicrobials exceed the basic safety expectation of baby personal care products. We have set a high standard for ourselves: to make our responsible antimicrobial solutions for baby care safe, effective, and beneficial to delicate infant skin.

With this in mind, for our baby care formulation recommendations, we have chosen only products known to be free from:

- any ingredients which are known to be or can release carcinogens, mutagens/genotoxins, reproductive/developmental toxins, or endocrine disruptors
- any ingredients which are known or expected sensitizer
- any ingredients which can be classified as halogen organic compounds

## definitions

### biodegradable

Has attained a sufficient level of biodegradation that meets the requirements for 'ready' or 'inherent' according to OECD or related methods such as, 301, 302, or 306, or product has been assessed as being biodegradable based on a read-across to a chemical with similar structure or the product components have been analyzed for biodegradation potential



## REGIONAL CENTERS

**North America** —  
Bridgewater, NJ USA  
Tel: +1 800 505 8984

**Europe** — Switzerland  
Tel: +41 52 560 5538

**Middle East, Africa** —  
Istanbul, Turkey  
Tel: +90 216 538 08 00

**India** — Mumbai  
Tel: +91 22 61484646

**Asia Pacific** — Singapore  
Tel: +65 6775 5366

**China** — Shanghai  
Tel: +86 21 6090 6606

**Latin America** —  
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Tel: +5511 3649 0455

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