





responsible antimicrobial solutions for sunscreen

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	TSSC 2015 (China)	acc. Mercosur	max. temp during production	ISO 16128 % natural origin
					leave-on	rinse-off	wet wipes							
euxyl[®] k 830 preservative INCI: Phenoxyethanol (and) Ethylhexylglycerin (and) Octenidine HCl	please contact us for further information	<ul style="list-style-type: none"> contributes to in-process production hygiene optimized blend with strong fungicidal effect suitable for sensitive applications incl. baby care 	≤12	0.5 - 1.0	+++	+	+++	max. 1.11%	max. 1.11%	max. 1.11%	-	max. 1.11%	120°C	0%
euxyl[®] pe 9010 preservative INCI: Phenoxyethanol (and) Ethylhexylglycerin		<ul style="list-style-type: none"> provides head space activity proven to be microbiome gentle suitable for sensitive applications incl. baby care 	≤12	0.5 - 1.0	+++	+	+++	max. 1.11%	max. 1.11%	max. 1.11%	max. 1.11%	max. 1.11%	120°C	0%
optiphen[®] gp preservative ¹ INCI: Phenoxyethanol (and) o-Cymen-5-ol (and) Caprylhydroxamic Acid (and) Propanediol (and) Propylene Carbonate		<ul style="list-style-type: none"> powerful unique blend great fit for higher SPF formulations provides head space activity suitable for clear formulations 	≤8	0.4 - 1.5	+++	+++	+++	max. 2.50%	max. 2.50%	max. 2.50%	max. 2.50%	max. 2.50%	80°C	37%
optiphen[®] 200 preservative INCI: Phenoxyethanol (and) Caprylyl Glycol		<ul style="list-style-type: none"> provides skin moisturization suitable for anhydrous and sensitive applications incl. baby care 	≤12	0.5 - 1.3	+++	++	+++	max. 1.35%	max. 1.35%	max. 1.35%	max. 1.35%	max. 1.35%	120°C	0%
phyteq[®] raspberry i² multifunctional INCI: Raspberry Ketone		<ul style="list-style-type: none"> broad-spectrum multifunctional booster with strong fungicidal efficacy at low use concentration provides anti-oxidant and well-aging benefits protects the skin barrier ideal for sensitive skin good formulation compatibility 	≤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	80°C	0%
sensiva[®] pa 40 multifunctional INCI: Phenylpropanol (and) Propanediol (and) Caprylyl Glycol (and) Tocopherol		<ul style="list-style-type: none"> powerful multifunctional blend strong fungicidal efficacy provides moisturizing and emolliency appealing floral scent 	≤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	120°C	30%
sensiva[®] sc 10 multifunctional INCI: Ethylhexylglycerin (and) Caprylyl Glycol		<ul style="list-style-type: none"> booster for antimicrobials provides moisturizing and emolliency suitable for sensitive applications incl. baby care 	≤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	120°C	0%
sensiva[®] sc 50 multifunctional ² INCI: Ethylhexylglycerin		<ul style="list-style-type: none"> booster for antimicrobials skin care emollient boosting and fixating of fragrance ingredients suitable for sensitive applications incl. baby care 	≤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	120°C	0%
sensiva[®] sc 80 multifunctional ¹ INCI: Propanediol (and) Caprylyl Glycol (and) Caprylhydroxamic Acid		<ul style="list-style-type: none"> smart synergistic broadspectrum multifunctional blend with strong fungicidal efficacy excellent cost-performance ratio provides anti-oxidant and well-aging benefits great fit for higher SPF formulations 	≤8	0.3 - 1.5	+++	+++	+++	no restrictions for the use in cosmetics	max. 5.0% (leave on) max. 6.0% (rinse-off)	no restrictions for the use in cosmetics	no restrictions for the use in cosmetics	no restrictions for the use in cosmetics	80°C	64%

1) not available in the US
2) also available in 100% natural

who helps sunscreen protection last?

—
we do.

Driven by increasing consumer awareness of the damaging effects of skin exposure to UV-rays, sun protection has become more important than ever before, leading to an increased consumer expectation towards sunscreen products - not only in terms of higher SPF value, but also added skin benefit values beyond sun protection.

Preservation of sunscreen formulations with a higher SPF is a complex challenge for formulators. The extent of the challenge will ultimately depend on the UV-filter choice and final formula composition. Selecting the right ingredients that deliver an effective level of

protection against bacteria, yeast and mold can be the ultimate challenge. Ashlands global team of solvers provides the expertise needed to support the selection of the suitable antimicrobial solutions for sunscreen products.

Please contact us for further details and recommendations for your preservative challenges.

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

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Find the product you need with our antimicrobial selector tool.