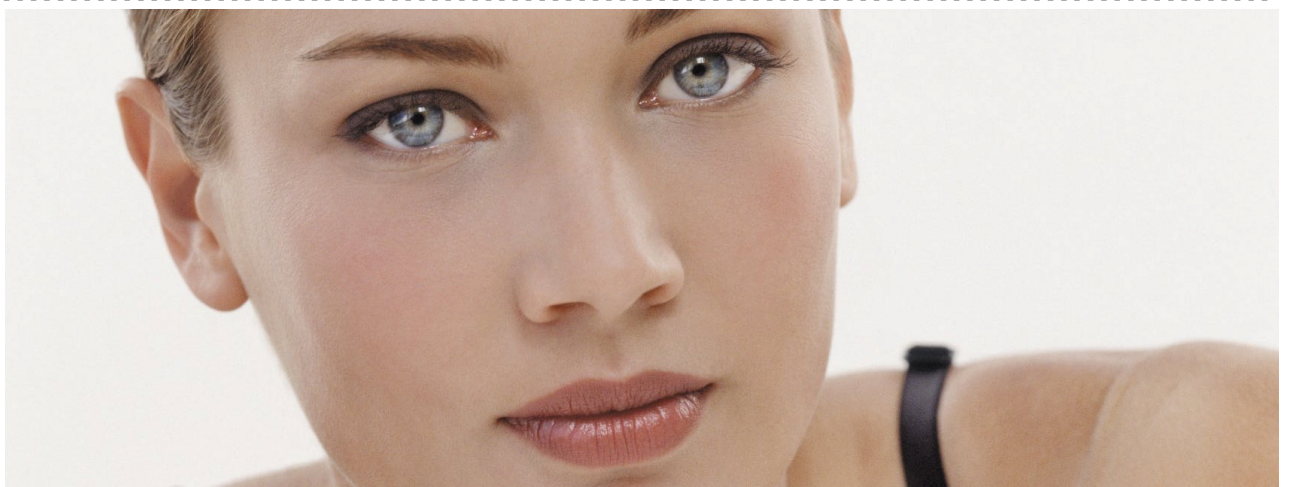




Dekaben Selection Chart





Trade name:	INCI name(s):	description:	typical dosage:
Dekaben (C)	Phenoxyethanol, Methylparaben, Ethylparaben, Butylparaben, Isobutylparaben, Propylparaben	Broad spectrum preservative with an extremely broad geographical acceptance and approval.	0.3 – 1.0%
Dekaben MEP	Phenoxyethanol, Methylparaben, Ethylparaben, Propylparaben	Broad spectrum preservative with an extremely broad geographical acceptance and approval.	0.3 – 1.0%
Dekaben ZMP	Benzyl Alcohol, Methylparaben, Propylparaben	Preservative system based on Benzyl Alcohol which has a high efficacy against gram-positive bacteria. Especially suitable for wet wipes.	0.3 – 1.0%
Dekafald	DMDM Hydantoin, Aqua	Cost-effective preservative system with a pronounced efficacy against bacteria, vapour phase protection.	0.2 – 0.6%
Biosol	o-Cymen-5-ol	Preservatives 'booster'.	0.1%
Dekaben CP	Chlorphenesin	Preservatives 'booster'.	0.1 – 0.3%
Dekaben IT	<i>actives:</i> Methylchloroisothiazolinone, Methylisothiazolinone	Highly efficient broad spectrum preservative system	up to 0.08% (rinse-off)
Dekaben ITB	<i>actives:</i> Methylchloroisothiazolinone, Methylisothiazolinone; Benzyl Alcohol	Highly efficient broad spectrum preservative system	up to 0.16% (rinse-off)
Dekaben LMP(-5)	Phenoxyethanol, Iodopropynyl Butylcarbamate	High efficacy against fungi	LMP: 0.1 – 0.5% LMP-5: 0.2 – 0.8%
Dekaben GN	Phenoxyethanol, Methylidibromo Glutaronitrile	Broad spectrum rinse-off preservative system.	0.1 – 0.2%
Dekaben BMP	Phenoxyethanol, Methylparaben, Propylparaben, 2-Bromo-2-nitropropane-1,3-diol	Broad spectrum, very effective preservative system.	0.3 – 0.7%
Dekaben S	Methylparaben, Ethylparaben, Butylparaben, Isobutylparaben, Propylparaben	Powder combination of Parabens.	0.1 – 0.3%
Dekaben IP	Iodopropynyl Butylcarbamate	Antifungal booster, also as 10% solution in Butylene Glycol (Dekaben LMB) and Propylene Glycol (Dekaben IP-10)	0.01 – 0.05%
Paridol M	Methylparaben	With a pronounced antifungal efficacy.	0.1 – 0.2%
Paridol E	Ethylparaben	With a pronounced antifungal efficacy.	0.05 – 0.1%
Paridol P	Propylparaben	With a pronounced antifungal efficacy.	0.05 – 0.1%
Paridol B	Butylparaben	With a pronounced antifungal efficacy.	0.02 – 0.1%
Paridol MMA	Sodium Methylparaben	Water soluble paraben.	0.1 – 0.3%
Paridol PNA	Sodium Propylparaben	Water soluble paraben.	0.1 – 0.3%
Phenoxyethanol	Phenoxyethanol	Preservative with a high activity against gram-negative species.	0.3 – 0.7%
Dekaben BA	Benzyl Alcohol	Solvent with a pronounced efficacy against gram-positive bacteria.	
Dekaben IU	Imidazolidinyl Urea	Preservative with a typical bactericidal character, often used with parabens.	0.1 – 0.3%
Bronopol	2-Bromo-2-nitropropane-1,3-diol	Very cost-effective biocide with a pronounced efficacy against bacteria. Also available as 30% solution in aq. Propylene Glycol (Dekaben B-30)	0.015 – 0.025%
Dekaben TC	Triclosan	Multifunctional biocidal active.	0.1 – 0.3%
Sorbates and Benzoates	Sorbic Acid, Potassium Sorbate, Benzoic Acid, Sodium Benzoate	Typical food preservatives.	
Benzalkonium Chloride	Benzalkonium Chloride	Quaternary ammonium preservative.	



Trade name:	Japanese cosmetics				anti-bact.:	anti-fungal:	optimal pH:	water sol.:
	rinse-off ¹	leave-on ²	mucous ³	all cosm.				
Dekaben (C)	•	•	•	•	++	++	4 – 8	ca. 0.5%
Dekaben MEP	•	•	•	•	++	++	4 – 8	ca. 0.7%
Dekaben ZMP	•	•	•	•	++	++	4.5 – 8	ca. 0.5%
Dekafald	•				++	+ / –	4 – 8.5	++
Biosol	•	•	•		+	+	4 – 8	–
Dekaben CP	•	•			+	+	4 – 7	ca. 0.5%
Dekaben IT	•				++	++	3 – 8	++
Dekaben ITB	•				++	++	3 – 8	++
Dekaben LMP/LMP-5					++	++	4 – 6.5	–
Dekaben GN					++	++	3 – 7.5	ca. 0.4%
Dekaben BMP					++	++	4 – 7.5	ca. 0.5%
Dekaben S	•	•	•	•	+/-	++	4 – 8	–
Dekaben IP					–	++	4 – 6.5	–
Paridol M	•	•	•	•	+/-	++	4 – 8	ca. 0.25%
Paridol E	•	•	•	•	+/-	++	4 – 8	ca. 0.11%
Paridol P	•	•	•	•	+/-	++	4 – 8	ca. 0.04%
Paridol B	•	•	•	•	+/-	++	4 – 8	ca. 0.02%
Paridol MNA	•	•	•	•	+/-	++	4 – 8	++
Paridol PNA	•	•	•	•	+/-	++	4 – 8	++
Phenoxyethanol	•	•	•	•	++	–	4 – 8.5	ca. 2.5%
Dekaben BA	•	•	•	•	++	–		+
Dekaben IU	•				++	–	3 – 8.5	++
Bronopol					++	–	3 – 7	++
Dekaben TC	•	•	•	•	++	++		–
Sorbates / Benzoates	•	•	•	•			< 6 / < 4.5	++ (salts)
Benzalkonium Chloride	•	•	•		++	+	4 – 10	++

Note:

¹ Allowed in Japanese rinse-off cosmetics, not on mucous membranes

² Allowed in Japanese cosmetics that are not rinsed off, not on mucous membranes

³ Allowed in Japanese cosmetics that is sometimes used on mucous membranes

All above preservative systems are approved as preservatives according to European Directive 76/768/EEC. Restricted concentrations, warnings, application restrictions, etc. are applicable. Please refer to the product documentation for more specific information.



Although all efforts have been made to ensure the information on this sheet is correct, it is given without any guarantee. Information (such as efficacy, pH ranges, *etc.*) is for guidance / selection only, which may differ in practice and may not be fully comprehensive. Suitability and stability should always be checked with challenge testing (also after aging).