

Vitamin C liposome concentrate

Product type	Active agent concentrate
Product name	Vitamin C liposome concentrate
INCI	Aqua • Pentylene Glycol • Alcohol • Glycerin • Sorbitol • Sodium Ascorbyl Phosphate • Lecithin • Citric Acid • Xanthan Gum
Composition	Active agent complex of vitamin C and highly enriched phosphatidylcholine (lecithin) in aqueous liposomal dispersion. Vitamin C is available as phosphoric acid sodium salt that splits into free vitamin C and phosphoric acid (physiological) in the skin.
Properties	Liposomes stabilize vitamin C in particularly high dosage and optimally transport the active agents into the skin. Vitamin C is specifically used for vitamin creams in combination with the vitamins A and E. It increases the effects of the other vitamins and protects the skin against free radicals. Specialized literature also mentions skin barrier regeneration, DNA protection and activation of collagen synthesis.
Application	<ul style="list-style-type: none"> - Additive to the DMS[®]-base creams for mature and atrophic skin, tending to impurities - Local skin treatment by applying the pure concentrate
Dosage (additive for the 44 ml DMS [®] -base cream unit)	Minimum: 1 ml vitamin C liposomes maximum: 4 ml vitamin C liposomes recommended: 3 ml vitamin C liposomes
Remarks	<ul style="list-style-type: none"> - The active agent concentrate should be applied sparingly to the skin similar to dabbing in an ampoule product. - When using it as an additive for the 44 ml DMS[®]-base cream unit, start with the low dosage, especially in case the skin care is just being adapted from preparations containing mineral oils and emulsifiers to DMS[®] products. - Liposomes may intensify the effectiveness of the different components of a cream, and also of pre- and follow-up treatments, as they improve the penetration of other substances into the skin. The skin may possibly feel slightly dry at first, which then is followed by a feeling of a pleasantly soft skin surface. - To be used for skin treatment only. Avoid contact with the mucous membranes and eyes. In case of irritations, rinse with water.
Shelf life	At least 30 months at appropriate storage, unopened
References	<ul style="list-style-type: none"> - Photodamaged skin: sun-bathing and after sun care, Kosmetische Praxis 2006 (3), 8-9 - High tech agents: new – improved – and more effective?, Kosmetische Praxis 2005 (3), 6-8 - Liposomes, Handbook of Cosmetic Science and Technology (A. O. Barel, M. Paye and H. I. Maibach), 155-163, CRC Press Taylor & Francis Group, Boca Raton 2006



Ascorbic acid (Vitamin C)

Ascorbic acid has a highly reductive effect. Therefore, if combined with ascorbic acid, coenzyme Q 10 will possibly be transferred into its active form. This would deactivate the ascorbic acid in the process.

