



Jungbunzlauer

From nature to ingredients®

CITROFOL® AI

CITROFOL® AI (triethyl citrate) is well established in various cosmetic applications. Due to its solvent, diluent and fixative performance, it is widely used in perfumes and fragrances. In deodorants, it inhibits the enzymatic decomposition of sweat components and therefore prevents body odour. As key component in cream formulations, CITROFOL® AI functions as emollient to improve skin feel by moisturising and softening while dissolving UV filters. Lastly, it acts as a plasticiser in nail lacquers and hair care products and helps dispersing pigments in colour cosmetics.

Presentation

CITROFOL® AI is an ester derived from citric acid, which is not irritant to skin and shows no sensitising effects on human beings.

Production

CITROFOL® AI is produced by esterification of fermentative-based citric acid and ethanol.

Characteristics

CITROFOL® AI is a clear, practically colourless and odourless, oily liquid. It is slightly soluble in water, miscible in ethanol and ether.

INCI name

Triethyl Citrate

INCI functions

Deodorising, diluent, emollient, fixative, plasticiser, solvent

Applications

Colour cosmetics, deodorants, fragrances, hair care, skin care

Functions and typical dosage

	Minimum recommended amount	Maximum recommended amount
■ Deodorising	3.0%	5.0%
■ Emollient	3.0%	5.0%
■ Fixative	95.0%	99.0%



Related documents

Formulation examples

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| <ul style="list-style-type: none"> Natural peel-off clay mask Natural skin cream Curl balm After sun lotion Micellar water Soothing hand cream Leave-in spray conditioner | <ul style="list-style-type: none"> Deo roll-on Efficient sunscreen SPF 30* Natural sunscreen SPF 30* Sunscreen with light skin feel SPF 25* BB cream SPF 20* BB cream light SPF 50+* |
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Articles

-  CITROFOL® citrate esters in sunscreen formulation