

Technical Information

Hydagen® CAT

PRD 30527726

Valid since 07.07.2020
Revision 8.1

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Care Chemicals**Deo Active****INCI name(s)**

Triethyl Citrate

Chemical description

Triester of Ethyl Alcohol and Citric Acid

Physical form:

Colorless, oily, practically odorless liquid

Molecular weight

approx. 276 g/mol

CASR-No.	Ingredient
77-93-0	Triethyl Citrate

Characteristic values

The specifications stated in the paragraphs 'Quality control data' and 'Additional product descriptive data' finally and conclusively describe the properties of the product.

Quality control data

(Data which is used for quality release and is certified for each batch.)

Test property	Specification	Test method
Appearance	Corresponds to the standard	Internal 930006
Odor	Corresponds to the standard	Internal 930007
Water	max. 0.25 %	ISO 4317
Free acids	max. 0.02 %	Internal 466
Triethylcitrate	min. 99.0 %	Internal 465
Density (25 °C)	1.135 - 1.139 g/cm ³	ISO 2811
Refraction index (25 °C)	1.439 - 1.441	ISO 6320



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Care Chemicals

Storage information

Shelf life

36 months

Storage temperature

< + 30 °C

Storage conditions

In original sealed containers and protected from moisture

Stabilising additives / Auxiliaries

Preservatives

not present

Antioxidants

not present

Solvents

not present

Others

not present

General information

Raw material basis

Vegetable: (corn)

Composition hints for finished product label

INCI Components

INCI Name (US/EU/CN)

Triethyl Citrate

Content

Complete *

* Complete means conclusively describes the substance



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Care Chemicals

Product properties

Solubility

Ethylether:	very soluble
Chloroform:	very soluble
Petrolether:	soluble
Ethylalcohol:	very soluble
Paraffin oil:	slightly soluble
Water:	slightly soluble

Miscellaneous information

Example of use

The product is used as a non-microbicidal deodorant active substance. The action principle is based on a pH value dependent reversible inhibition of the enzymatical degradation of sweat ingredients, epidermal residues and skin surface fat, so that bad-smelling degradation products cannot develop. Formulations which contain Hydagen® C.A.T. should be adjusted to a pH value of 4 to 5. Hydagen® C.A.T. is not suitable for the application in alkaline formulations, e.g. soaps and alkaline deodorant sticks. The application concentration is 1 - 5 % on average.

Intended for use as cosmetic ingredient

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