

## Technical Information

**Uvinul® T 150**

PRD 30035119

Valid since 03.01.2018  
Revision 1.1  
WF-No. 14218  
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**Care Chemicals****UV Filter****INCI name(s)**

Ethylhexyl Triazone

**Chemical description**

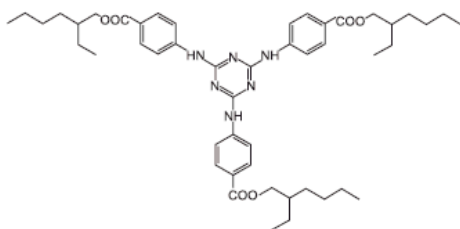
2,4,6-Trianiilino-(p-carbo-2'-Ethylhexyl-1'-oxy)-1,3,5-Triazin

**Physical form:**

White to light yellow powder

**Molecular weight**

823 g/mol

**Molecular Formula**C<sub>48</sub>H<sub>66</sub>N<sub>6</sub>O<sub>6</sub>**Structural Formula****CASR-No.**

88122-99-0

**Ingredient**

2,4,6-Trianiilino-(p-carbo-2'-Ethylhexyl-1'-oxy)-1,3,5-Triazin

**Application**

Uvinul® T 150 is the most effective oil soluble UVB filter with an exceptionally high absorbance of over 1500 at 314 nm. Because of its high E1/1 value, only small concentrations are required in cosmetic sun-care preparations, to achieve a high SPF value.

Uvinul® T 150 is very photostable even it is exposed to intense UV radiation.

Uvinul® T 150 should be dissolved in the oil phase with heating.

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**Care Chemicals****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.)

<b>Test property</b>	<b>Specification</b>	<b>Test method</b>
Color Gardner (100 g/l in Acetone)	max. 2.0	ASTM 1544
Specific absorbance (A1 % / 1 cm, 314 nm in Ethanol)	min. 1500	PM/00194
Melting point	128.0 - 132.0 °C	Ph.Eur.
Water (Karl Fischer)	max. 0.50 %	PM/00882
<b>Assay</b>		
Content (photometric)	98.0 - 103.0 %	PM/00194

**Storage information****Shelf life**

36 months

**Storage temperature**

Room temperature

**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

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**Care Chemicals****General information****Raw material basis**

Synthetic: (mineral oil / natural gas)

**Composition hints for finished product label****INCI Components**

INCI Name (US/EU/CN)	Content
Ethylhexyl Triazone (EU)	Complete *
Octyl Triazone (US)	

\* Complete means conclusively describes the substance

**Product properties****Solubility**

Trade name	INCI name	Uvinul® T 150 solubility at 25 °C Wt. (%)
Cetiol® B (BASF)	Dibutyl Adipate	16.0
Uvinul® MC 80 (BASF)	Ethylhexyl Methoxycinnamate	14.0
Myritol® 331 (BASF)	Cocoglycerides	9.4
Cetiol® RLF (BASF)	Caprylyl-Caprylate/Caprates	6.7
Myritol® 318 (BASF)	Caprylic/Capric Triglyceride	6.2
Cetiol® C5 (BASF)	Coco Caprylate	6.1
Cetiol® CC (BASF)	Dicaprylyl Carbonate	5.9
Cetiol® Sensoft (BASF)	Propylheptyl Caprylate	5.7
Cetiol® AB (BASF)	C12-15 Alkyl Benzoate	4.4
Uvinul® N 539 T (BASF)	Octocrylene	4.2
Isopropylpalmitate (BASF)	Isopropylpalmitate	3.4
Ethanol (99.8 %)	Alcohol	1.3 (21 °C)

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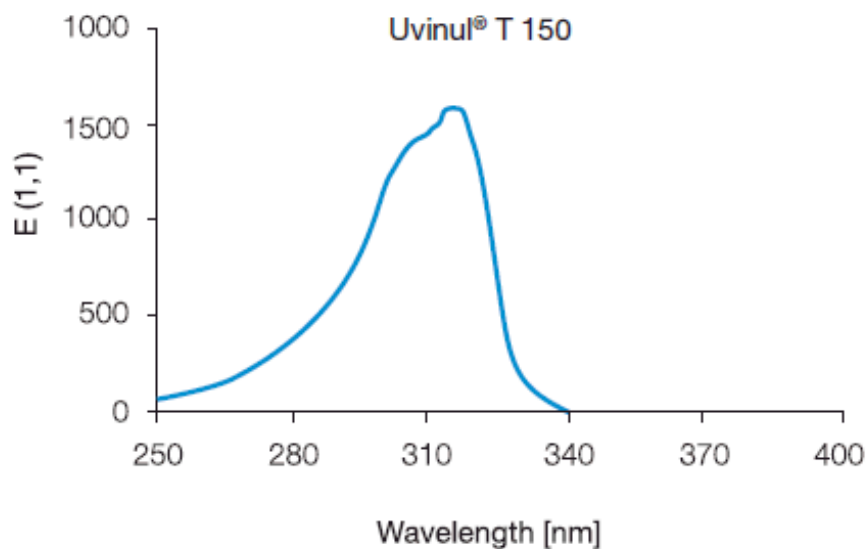
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**Care Chemicals****Specific technical data**

UV spectrum





We create chemistry

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**Care Chemicals**

## Approval status

Region	Amount in %
EU	5
Switzerland	5
India	5
Taiwan	5
Korea	5
Japan (*)	5
China	5
Australia	5
ASEAN	5
USA	-
Canada	-
S. America	5
Mexico	5

(\*) Japan: limit except for cosmetics coming into contact with mucous membranes

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