

Technical Information

Uvinul® Easy

PRD 30605258

Valid since	25.04.2018
Revision	2.0
WF-No.	15799
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Care Chemicals**UV Filter****INCI name(s)**

Dibutyl Adipate (and) Diethylamino Hydroxybenzoyl Hexyl Benzoate (and) Ethylhexyl Methoxycinnamate (and) Laureth-7 Citrate (and) Polyglyceryl-2-Dipolyhydroxystearate (and) Ethylhexyl Triazone (and) Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine (and) Triethanolamine (and) Lauryl Glucoside (and) Aqua

Chemical description

Compound of UV filters, emollients and emulsifiers

Physical form:

Yellow clear until turbid liquid

Molecular weight

Mixture

Molecular Formula

Mixture

CASR-No.	Ingredient
105-99-7	Dibutyl Adipate
302776-68-7	Diethylamino Hydroxybenzoyl Hexyl Benzoate
5466-77-3	Ethylhexyl Methoxycinnamate
565429-75-6	Laureth-7 Citrate
144470-58-6	Polyglyceryl-2-Dipolyhydroxystearate
88122-99-0	Ethylhexyl Triazone
187393-00-6	Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine
102-71-6	Triethanolamine
110615-47-9	Lauryl Glucoside

Application

Uvinul® Easy is a readymade transparent concentrate composed of a mixture of UV filters, emollients, and emulsifiers. The UV filters and their concentration have been ingeniously selected to allow formulating from SPF 6 to SPF 50 with a UVA-PF of at least 1/3 of the SPF, i.e. the recommended level of UVA protection in, e.g., the EU. For a desired SPF of X, Uvinul Easy must be used in the formulation at a concentration of X %. Uvinul Easy can be processed cold or hot and allows the formulation of a wide variety of cosmetic products with SPF claim (Suncare, Daily Care, decorative).

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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.)

Test property	Specification	Test method
Characters		
Appearance	Yellow clear until turbid	Internal method 930000601
Tests		
Viscosity (20 °C)	max. 500 mPas	ISO 12058
Refractive Index n(20/D)	1.512 - 1.522	ISO 6320
Density (20 °C)	1.020 - 1.040	ISO 2811-3
Assay		
Content Uvinul MC 80	18.5 - 20.5 %	EX-AAU00
Content Uvinul A Plus Granular	18.5 - 20.5 %	EX-AAU00
Content Uvinul T 150	5.60 - 6.20 %	EX-AAU00
Content Tinosorb S	4.65 - 5.15 %	EX-AAU00

Storage information**Shelf life**

24 months

Storage temperature

Store above 2 °C

Storage conditions

In original sealed containers and protected from moisture

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Care Chemicals**Stabilising additives / Auxiliaries****Preservatives**

not present

Antioxidants

BHT and a mixture of Tocopherol and Hydrogenated Palm Glyceride Citrate

Solvents

not present

Others

Citric acid

General information**Raw material basis**

Synthetic: (mineral oil / natural gas)

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

INCI Name (US/EU/CN)	Content
Dibutyl Adipate	25.55 - 32.75 %
Diethylamino Hydroxybenzoyl Hexyl Benzoate	18.5 - 20.5 %
Ethylhexyl Methoxycinnamate	18.5 - 20.5 %
Laureth-7 Citrate	8.6 - 9.5 %
Polyglyceryl-2 Dipolyhydroxystearate	7.6 - 8.4 %
Ethylhexyl Triazone	5.60 - 6.20 %
Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine (EU,CN)	
Bemotrizinol (US)	4.65 - 5.15 %
Triethanolamine	1.90 - 2.10 %
Lauryl Glucoside	0.95 - 1.05 %

Water Content

Content
0.95 - 1.05 %

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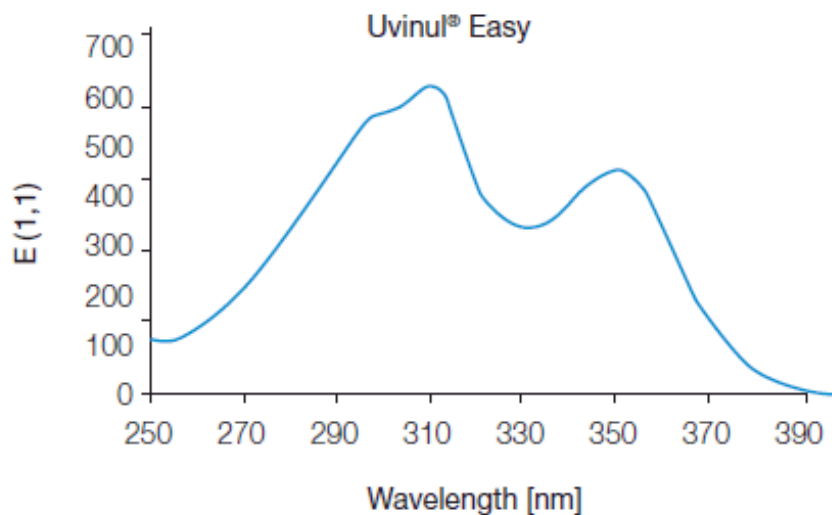
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Care Chemicals**Specific technical data**

UV spectrum

**Approval status**

Region	Amount in %
EU	50
Switzerland	50
India	50
Taiwan	50
Korea	37.5
Japan (*)	50 (*)
China	50
Australia	50
ASEAN	50
USA	-
Canada	-
S. America	50
Mexico	50

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



We create chemistry

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