

## Technical Information

**Eumulgin® HPS**

PRD 30531606

Valid since	23.03.2018
Revision	4.0
WF-No.	15524
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**Care Chemicals****Solubilizer****INCI name(s)**

Coceth-7 (and) PPG-1-PEG-9 Lauryl Glycol Ether (and) PEG-40 Hydrogenated Castor Oil

**Chemical description**

Blend of ethoxylated Fatty Alcohol, Fatty Alcohol Alkoxylates and hardened Castor Oil ethoxylated

**Physical form:**

Colorless to yellowish clear liquid with a distinctive odor

**Molecular weight**

Mixture

<b>CASR-No.</b>	<b>Ingredient</b>
61791-13-7	Coceth-7
68439-50-9	
154248-98-3	PPG-1-PEG-9 Lauryl Glycol Ether
61788-85-0	PEG-40 Hydrogenated Castor Oil

**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>
Appearance at room temperature	Colorless to yellowish clear liquid (turbidities may occur during cold storage, to recover see additional information)
Odor at room temperature	Distinctive odor
Dry residue	89.00 - 91.00 %
Density (20 °C)	1.0100 - 1.0300 g/cm <sup>3</sup>
Refraction index (20 °C)	1.4510 - 1.4560
pH value (5 %)	5.0 - 7.5

Specific methods used for batch release see Certificate of Analysis.

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**Care Chemicals****Storage information****Shelf life**

24 months

**Storage temperature**

&lt; + 40 °C

**Storage conditions**

In original sealed containers and protected from moisture

**Additional information**

After storage at cold temperatures, turbidity can occur but this behaviour is reversible by heating the product at approx. 40 °C under stirring: the product appears then clear again at room temperature.

**Stabilising additives / Auxiliaries****Preservatives**

not present

**Antioxidants**

not present

**Solvents**

not present

**Others**

not present

**General information****Raw material basis**

Vegetable: (coconut / palm kernel oil, castor oil)

Petrochemical: (ethylene /propylene oxide)

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

<b>INCI Name (US/EU/CN)</b>	<b>Content</b>
Coceth-7	30 - 50 %
PPG-1-PEG-9 Lauryl Glycol Ether	30 - 50 %
PEG-40 Hydrogenated Castor Oil	10 - 20 %

**Water Content**

<b>Content</b>
5 - 10 %

**Product properties****Solubility**

Ethylether:	slightly soluble
Chloroform:	soluble
Petrolether:	sparingly soluble
Ethylalcohol:	freely soluble
Paraffin oil:	practically insoluble
Water:	very soluble

**Miscellaneous information****Example of use**

The product is used as solubilizer for personal care applications for different typologies of lipophilic substances.

**Intended for use as cosmetic ingredient****Disclaimer**

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