

## Technical Information

**Eumulgin® CO 40**

PRD 30570063

Valid since 01.09.2017  
Revision 3.0

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**Care Chemicals****Solubilizer****INCI name(s)**

PEG-40 Hydrogenated Castor Oil

**Chemical description**

Castor oil, hydrogenated, ethoxylated

**Physical form:**

White to yellowish paste or turbid fluid

**Molecular weight**

approx. 2500 g/mol

<b>CASR-No.</b>	<b>Ingredient</b>
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	Corresponds to the standard
Color Gardner	max. 2
Water content	max. 2.0 %
Acid value	max. 1.0 mg KOH/g
Hydroxyl value	60.0 - 75.0 mg KOH/g
Saponification value	50.0 - 60.0 mg KOH/g

Specific methods used for batch release see Certificate of Analysis.

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**Care Chemicals****Additional product descriptive data**

(Data which is proven statistically but not determined regularly.)

<b>Test property</b>	<b>Specification</b>
Iodine value	max. 1.0 g/100 g
Residual ethylene oxide	max. 1 ppm
Dioxane content	max. 10 ppm

Specific methods used for batch release see Certificate of Analysis.

**Typical values**

(For information purposes only, not part of the guaranteed specifications.)

<b>Property</b>	<b>Value</b>
Flash point	242 °C
Ignition temperature	375 °C
Density (60 °C)	1.03 g/cm <sup>3</sup>

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

24 months

**Storage temperature**

&lt; + 30 °C

**Storage conditions**

In original sealed containers and protected from moisture

**Additional information**

During storage separation may occur which is reversible through heating to 30 °C and stirring. For use of parts of a container it is recommended to homogenize the product first. Depending on the temperature, the Acid Value may increase during storage. However, the product quality is not negatively influenced until an Acid Value ≤ 1.5 mg KOH/g.



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## Stabilising additives / Auxiliaries

### Preservatives

not present

### Antioxidants

not present

### Solvents

not present

### Others

not present

## General information

### Raw material basis

Vegetable: (castor oil)  
Petrochemical: (ethylene oxide)

## Composition hints for finished product label

### INCI Components

INCI Name (US/EU/CN)	Content
PEG-40 Hydrogenated Castor Oil	Complete *

\* Complete means conclusively describes the substance

## Miscellaneous information

### Example of use

Polymer, cosmetic ingredient



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**Care Chemicals**

### Intended for use as cosmetic ingredient

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