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UL PROSPECTOR® Product Datasheet

Eumulgin® HRE 40

PRD 30527969

Valid since 16.11.2015
Revision 2.0

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Care Chemicals

General characterisation

Chemical description

Hardened Castor Oil with approx. 40 moles EO

Raw material basis

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

Labeling information

INCI name(s)

PEG-40 Hydrogenated Castor Oil

Active ingredient information

Ingredient	CASR-No.	Remark
PEG-40 Hydrogenated Castor Oil	61788-85-0	

Product properties

Appearance

White to slightly yellow, lard-like fat mass with a mild odor

Example of use

The product is used as nonionic O/W emulsifier and/or solubiliser for the production of aqueous cosmetic preparations such as solubilisates and tonics.

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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.)

Appearance at room temperature	Corresponds to the standard	
Odor at room temperature	Corresponds to the standard	
Water content	max. 1.00 %	DGF C-III 13A
Hydroxyl value	60.0 - 75.0 mg KOH/g	DGF C-V 17A,B
Saponification value	50.0 - 60.0 mg KOH/g	DGF C-V 3
Cloud point	76.0 - 82.0 °C	DIN EN 1890
pH value (10 %)	6.0 - 7.0	DGF H-III 1

Additional product descriptive data

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

Ethylene oxide	max. 1.0 ppm	TEGEWA 88
Acid value	max. 1.00 mg KOH/g	DGF C-V 2
Iodine value	max. 2.0 g I/100 g	DGF C-V 11A
Density (70 °C)	1.0220 - 1.0260 g/cm ³	DIN 51757 V4

Stabilising additives / Auxiliaries

(type and concentration)

Preservatives



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Storage information

Shelf life

24 months

Storage temperature

< + 30 °C

Storage conditions

In original sealed containers and protected from moisture.

Additional information

For use of parts of a container it is recommended to homogenize the product first. During storage separation may occur which are reversible through heating to 30 °C and stirring. Depending on the temperature, the pH value may decrease during storage. However, the product quality is not negatively influenced above a pH value of 5.0.

Intended for use as cosmetic ingredient

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