

Labeling information

INCI name(s)

PEG-40 Hydrogenated Castor Oil

Registrations

Ingredient	CASR-No.	EINECS/ELINCS-No.
	61788-85-0	polymer

Officially listed in / Quality conforms to

JCIC: Polyoxyethylene Hydrogenated Castor Oil
(Ingredient Code 105359)

Product properties

Appearance

EUMULGIN® HRE 40 is a white to slightly yellow, lard-like fat mass with a mild odour.

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.

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	conforms to standard	
Odour	conforms to standard	
Hydroxyl value	60.0 - 75.0	DGF C-V 17a
Saponification value	50.0 - 60.0	DGF C-V 3
Water	max. 1 %	DGF C-III 13a
Clouding temperature (1 % in 5 % NaCl sol.)	76 - 82° C	DIN 53917
pH value (10 % sol.)	6.0 - 7.0	DGF H-III 1
Free ethylene oxide	< 1 ppm	TEGEWA method

Additional product descriptive data

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

Acid value	max. 1
Density (70° C)	1.0220 - 1.0260 g/cm ³
Iodine value	max. 2

Storage and transportation

In sealed original containers, protected from moisture and at temperatures below 30° C EUMULGIN® HRE 40 remains stable for at least one year. For use of parts of a container it is recommended to

homogenize the product first.

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Cognis does not guarantee the suitability of a product for a user-specific purpose.

