



# Alpicare COH 40

## Chemical description

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Hydrogenated ethoxylated 40 EO castor oil

### **INCI name**

PEG-40 Hydrogenated Castor Oil

### **CAS number**

61788-85-0

## Main use

ALPICARE COH 40 is a non-ionic solubiliser and emulsifier specifically designed for the manufacture of cosmetics and personal care products.

## Typical values

Appearance at 20 °C:	soft wax
Colour (APHA scale):	300 max
Active matter (%):	99 min
Water (K.F., %):	1 max
pH (5% aqueous solution):	5 - 7
1,4-dioxane (ppm):	5 max
Residual ethylene oxide (ppm):	1 max
HLB:	14 approx

## Product properties

ALPICARE COH 40 is a ethoxylated non-ionic emulsifier, suitable for a wide variety of cosmetics and personal care applications providing emulsifying and solubilising functionality.

Hydrogenation of the castor oil results in greater oxidative stability with improved colour and odour characteristics.

ALPICARE COH 40 is soluble in water, ethanol, isopropanol and propylene glycol, while is not soluble in mineral oils.

## Applications

ALPICARE COH 40 is used to solubilise fragrances, essential oils, lipophilic actives, vitamins and hydrophobic compounds in water or in aqueous/alcoholic solutions. In order to ensure a clear aqueous solution, it is recommended to intimately mix the hydrophobic ingredient with ALPICARE COH 40 before the addition to the formulation. Typical dosage: from 1 to 3 part / part of oil to be dissolved.

ALPICARE COH 40 is a suitable emulsifier for O/W emulsions. Physical properties such as HLB should be properly evaluated for this specific application.

## Storage and handling

ALPICARE COH 40 should be stored in the originally sealed containers, protected from light.

Shelf life: 24 months

## Packaging

120 kg net weight plastic drums. Alternative package sizes may be available upon request.

## Material safety

Product safety data and handling information can be found on the relevant Safety Data Sheet, which is available upon request. It is recommended that the Safety Data Sheets are examined before using the product.

## Regulatory information

The Technical Data Sheet is not a official declaration of compliance nor specification. Any specific information has to be released separately and nominally to each customer upon request.

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