

## ® Hostaphat KL 340 D

Emulsifier for the manufacture of oil in water emulsions for the cosmetic and pharmaceutical industry

### Composition

Mono-, di- and tri-(alkyltetraglycol ether)-o-phosphoric acid esters

INCI name: Trilaureth-4 Phosphate

CAS No. 121158-63-2, 121158-61-0, 121158-62-1

### Product properties <sup>\*)</sup>

Appearance (25°C) clear to opaque liquid

#### Chemical and physical data:

Apha colour number	max. 400
pH-value (1% active substance in water)	6.5 - 7.5
Water content (%)	9.0 - 11.0
Viscosity at 25 °C (mPa s)	max. 400
Acid value (mg KOH/g)	max. 7.0
HLB value	14

#### Manufacture

Hostaphat KL 340 D is produced by ethoxylation of

This information is based on our present state of knowledge and is intended to provide general notes on our products and their uses. It should not therefore be construed as guaranteeing specific properties of the products described on their suitability for a particular application. Any existing industrial property rights must be observed. The quality of our products is guaranteed under our General Conditions of Sale.

TH 10150 E

<sup>\*)</sup> These characteristics are for guidance only and not to be taken as product specifications. The tolerances are given in the product specification sheet. For further product properties, specifications, safety and ecological data, please refer to the MSDS.

an C<sub>12/14</sub> natural alcohol and subsequent reaction with H<sub>3</sub>PO<sub>4</sub>, followed by neutralisation with NaOH.

#### Profile

Hostaphat KL 340 D is a very efficient O/W emulsifier. Its high HLB value allows the manufacture of emulsions with polar oils and UV filters. Low amounts are sufficient to achieve highly stable emulsions. Since Hostaphat KL 340 D is liquid at room temperature, lotions and creams can be processed cold. Hostaphat KL 340 D also has an excellent skin feel.

#### Use levels

- as primary emulsifier: 1.0 - 3.0 %
- as hydrophilic co-emulsifier for O/W emulsions with normally W/O emulsifiers such as Emulsogen SRO or Hostacerin DGI: 1.0 %

#### Storage

Hostaphat KL 340 D is stable for at least 24 months when stored in original containers. The product must be protected from excessively high and low temperature during storage. At temperature below 25 °C Hostaphat KL 340 D shows some precipitation which can be dissolve again under gentle heating (40 °C) and stirring.

