

Product Fact Sheet

HOSTACERIN[®] SFO



GMO-free co-emulsifier based on renewable sources

Composition	Sorbitol esters and mono-, di- and triglycerides derived from sunflower oil
INCI name	Sunflower Seed Oil Sorbitol Esters
CAS No:	96690-53-8
EINECS No.:	306-248-9

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PRODUCT PROPERTIES ¹

Appearance (40 °C)	yellowish liquid
Chemical / physical data:	
Fatty acid % w/w (MW 286)	max. 5
Saponification value (mg KOH/g)	160 – 180
Iodine colour number	max. 5

Manufacture

Hostacerin SFO is produced by trans-esterification of sunflower oil with Sorbitol (mixture of Sorbitol mono- and diesters together with mono- di- and triglycerides).

Solubility

Hostacerin SFO is insoluble in water and glycerol, but is soluble in ethanol and various natural oils and synthetic oils (e.g. Caprylic/Capric Triglyceride, C 12-15 Alkyl Benzoate or Dicaprylyl Ether).

Properties

- based on vegetable, renewable and GMO-free sources
- without EO and PEG
- manufactured by a low energy consumption single step process (trans-esterification)
- Suitable for W/O and O/W emulsions
- Rich skin feeling and excellent skin compatibility
- Improves spreadability and stability of formulations
- low concentrations required (1-3 %)
- compatible with various rheology modifying and oil systems
- can be combined with different emulsifier types
- synergistic stabilisation of inorganic sunscreen filters in high SPF formulations (in combination with Hostaphat CK 100)

¹ 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.

- converts the soapy feeling of stearic acid based formulations into a rich skin feeling with good spreadability

Storage and Handling instructions

The product must be protected from excessively high and low temperature during storage. At room temperature Hostacerin SFO shows precipitation which can be re-dissolved under gentle heating to approx. 40°C and stirring. Therefore it is recommended to homogenize Hostacerin SFO by this procedure prior to use. Further information on handling, storage and despatch is given in the EC safety data sheet.

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