

Technical Data Sheet

Sympatens-SHO/400

INCI: Sorbeth-40 hexaoleate

Identification

chemical name	Sorbitan, ethoxylated, hexaoleate
CAS No.	57171-56-9
EINECS	polymer
composition	active content > 99.5 %
origin	vegetable and synthetic

Specifications

form (25°C)	liquid
colour Gardner	< 5.0
acid value (mg KOH/g)	5.0 – 15.0
saponification value (mg KOH/g)	85 – 105
water content (%)	< 0.50
dioxane (ppm)	< 5.0
ethylene oxide (ppm)	< 1.0

Other typical properties

solidification point (°C)	< 0
density (25°C, g/cm ³)	approx. 1.02
viscosity (25°C, mPa·s)	approx. 220
pH (10% in d-H ₂ O)	approx. 6
HLB value	approx. 10.0

Manufacturing, additives, impurities

manufacturing process	ethoxylation and esterification
preservatives	none
antioxidants	none
solvents	none
total ash (%)	< 0.20
total heavy metals (ppm)	< 10

Disclaimer

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Microbiology

A microbiological contamination can be excluded due to the production parameters (pressure and temperature profile) and due to water content. Microbiological examinations occur on irregular basis.

Toxicological assessments

The product has been toxicologically evaluated. Please ask for our separate toxicological data sheet.

Cosmetics

The product as cosmetic ingredient complies with the requirements of the Cosmetic Regulation 1223/2009 EC and its amendments:

- No nanomaterials
- No animal testing
- No raw materials of animal sources
- No BSE/TSE
- No GMO
- No radiation

Intended use

Personal Care Application.

At low temperatures, cloudiness may appear due to natural processes. As a rule, however, the cloudiness disappears by slight heating and stirring without any loss of quality.

For further information about product safety and ecotoxicology, please refer to our safety data sheet.

The shelf life is two years in the unopened original packaging, stored in a cool and dry place, protected from heat and frost, between 0 - 30°C, without exposure to direct sunlight.