



ZENESTER® S

Zenester® S is a water soluble, high molecular weight (25,000) polymeric silicone polyester made from the reaction of a dimethicone copolyol and a dimer acid. It is highly lubricious and provides excellent wet combing and conditioning as well as superb skin feel when delivered from aqueous systems. Zenester® S is non-ionic and is compatible with cationic and anionic systems, thereby providing the formulator with great latitude in formulating personal care products. Zenester® S is water and alcohol soluble and goes clear into a formula.

TYPICAL PROPERTIES

Appearance at 25 °C:	Clear Liquid
Colour (Gardner):	6 Max
Acid Value (ml KOH/g):	20 Max
Viscosity at 25 °C	400 to 1,600 cPs

GLOBAL DESIGNATIONS

Adopted INCI Name:	PEG-8 Dimethicone/Dimer Dilinoleic Acid Copolymer.
CAS Reg. No.:	841251-40-9
EINECS:	Polymer Exempt
ECOCERT:	N/A
Canada (DSL):	Pending
China (IECSC):	Pending
Australia (AICS):	Pending
Korea (ECL):	Pending
Japan (ENCS):	Pending

STORAGE AND PACKAGING

Zenester® S has a normal shelf life of 36 months when stored in sealed unopened containers in a cool dry location at temperatures between 15°C and 25°C.

Zenester® S is available in 16 kg pails and 95 kg drums.

SOLUBILITY AND COMPATIBILITY

(Zenester® S @ 10% & Solvent @ 90%)

Solvent	50 °C	25 °C
Water	<i>SOLUBLE</i>	<i>SOLUBLE</i>
Glycerin (96%)	<i>INSOLUBLE</i>	<i>INSOLUBLE</i>
DC200	<i>INSOLUBLE</i>	<i>INSOLUBLE</i>
Propylene Glycol	<i>DISPERSIBLE</i>	<i>DISPERSIBLE</i>
Mineral Oil	<i>INSOLUBLE</i>	<i>INSOLUBLE</i>
Isopropyl Myristate	<i>INSOLUBLE</i>	<i>INSOLUBLE</i>
DC345	<i>INSOLUBLE</i>	<i>INSOLUBLE</i>
Octyl Palmitate	<i>INSOLUBLE</i>	<i>INSOLUBLE</i>
Safflower Oil	<i>INSOLUBLE</i>	<i>INSOLUBLE</i>
Ethanol (95%)	<i>SOLUBLE</i>	<i>SOLUBLE</i>
Euthanol G	<i>INSOLUBLE</i>	<i>INSOLUBLE</i>
Castor Oil	<i>SOLUBLE</i>	<i>SOLUBLE</i>

APPLICATIONS

Skin Care:

Spray on Creams, Lotions, Body Washes, Moisturizers.

Sun Care:

Spray on Creams and Sunscreen lotions.

Hair Care:

Shampoos, Conditioners, Leave on, Clear styling gels and Sprays.

Typical Use Levels: 0.25 to 4.00 %

