Technical Data Sheet



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.

SOLUBILITY AND COMPATIBILITY **TYPICAL PROPERTIES** (Zenester[®] S @ 10% & Solvent @ 90%) Appearance at 25 °C: **Clear Liquid** 50 °C 25 °C Solvent Colour (Gardner): 6 Max Water SOLUBLE SOLUBLE Acid Value (*ml* KOH/g): 20 Max Glycerin (96%) **INSOLUBLE INSOLUBLE** DC200 **INSOLUBLE INSOLUBLE** Viscosity at 25 °C 400 to 1,600 cPs **Propylene Glycol** DISPERSIBLE DISPERSIBLE **GLOBAL DESIGNATIONS** Mineral Oil **INSOLUBLE INSOLUBLE** Isopropyl Myristate **INSOLUBLE INSOLUBLE** Adopted INCI Name: PEG-8 Dimethicone/Dimer Dilinoleic DC345 INSOLUBLE **INSOLUBLE** Acid Copolymer. **INSOLUBLE INSOLUBLE Octyl Palmitate** 841251-40-9 CAS Reg. No.: Safflower Oil **INSOLUBLE** INSOLUBLE EINECS: Polymer Exempt Ethanol (95%) SOLUBLE SOLUBLE ECOCERT: N/A INSOLUBLE INSOLUBLE Euthanol G Canada (DSL): Pending SOLUBLE Castor Oil SOLUBLE China (IECSC): Pendina Australia (AICS): Pending **APPLICATIONS** 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.

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 %



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