



ZENESTER® ME

Zenester® ME is a high molecular weight (25,000) polymeric silicone polyester made from the reaction of a dimethicone copolyol and a dimer acid. It is a product that forms a spontaneous micro-emulsion in water, is highly lubricious, and provides superb skin feel when delivered from aqueous systems. Zenester® ME is non-ionic and is compatible with oil/water and water/oil systems, as well as anionic systems, thereby providing the ability to formulate with greater latitude. Zenester® ME is water dispersible extremely suitable for sun and skin care applications.

TYPICAL PROPERTIES

Appearance at 25 °C:	Clear Liquid
Colour (Gardner):	6 Max
Acid Value (ml KOH/g):	30 Max
Viscosity at 25 °C	200 to 1,000 cPs

GLOBAL DESIGNATIONS

Adopted INCI Name:	Bis-PEG-10 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® ME 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® ME is available in 16 kg pails and 95 kg drums.

SOLUBILITY AND COMPATIBILITY (Zenester® ME @ 10% & Solvent @ 90%)

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

APPLICATIONS

- Skin Care:** Liquid soaps, Lotions, Body Washes, creams, Moisturizers.
- Sun Care:** Spray on Creams and Sunscreen lotions. Balms.
- Hair Care:** Moisturizing Hair creams, Conditioners for badly damaged hair.
- Typical Use Levels:** 0.25 to 4.00 %

