



Technical Data Sheet

ZENESTER ME

ZENESTER ME is a product that forms a spontaneous micro emulsion in water. It is a high molecular weight (25000) polymeric silicone. It is highly lubricious, 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 formulator with greater latitude. **ZENESTER ME** is **water dispersible** and would be brilliant in sun and skin applications. **ZENESTER ME** is patent pending

CHEMICAL STRUCTURE

Zenester ME is polyester made by the reaction of dimer acid and PEG-10-dimethicone.

CHEMICAL AND PHYSICAL PROPERTIES

APPEARANCE:		
liquid –		ZAM-18
FOREIGN MATTER:		
Absence –		ZAM-29
MELTING POINT:		
Liquid @ Ambient		ZAM-59
ODOR:		
Typical –		ZAM 16
COLOR:		
8 Max		ZAM 02
ACID VALUE:		
MAX – 30		ZAM 26

COMPATIBILITY AND SOLUBILITY

SOLVENT 90%	ZENESTER ME 10%	
	50°C	Room Temp
Water	Microemulsion	Microemulsion
DC 200	dispersible	.dispersible
Glycerine 96%	dispersible	dispersible
Eutanol G	soluble	soluble
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
Castor Oil	dispersible	dispersible

GLOBAL DESIGNATIONS

INCI NAME: Bis- PEG-10 Dimethicone/Dimer Dilinoleate Copolymer
EINECS: Polymer Exempted
CAS # -841251-40-9

Japan: Pending

Patent Pending

PERSONAL CARE APPLICATIONS

HAIR CARE: Moisturizing hair creams, Conditioners for badly damaged hair

SKIN CARE: Liquid soaps, Body washes, Lotions, creams, moisturizers

SUN CARE: Sprayable creams and lotion sunscreens. Balms.

USE LEVELS: 0.25%-4%

PACKAGING

Pail 16 kilos
 Drum 100 kilos

SHELF LIFE

36 months in unopened containers

Toxicological data pending
We do not test on animals!
 070706

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