



TECHNICAL DATA SHEET

TDS

ZENESTER D

ZENESTER D is a high molecular weight (36000) polymeric silicone polyester. It is highly lubricious and provides excellent wet comb and conditioning as well as superb skin feel when delivered from aqueous systems. **ZENESTER D** is non-ionic and is compatible with cationic and anionic systems thereby providing the formulator with greater latitude. This product is water dispersible. **ZENESTER D** is patent pending

CHEMICAL STRUCTURE

Zenester D is a polyester made by the reaction of dimer acid and PEG-8-dimethicone.

CHEMICAL AND PHYSICAL PROPERTIES

APPEARANCE:		
Clear liquid –	ZAM-18	
FOREIGN MATTER:		
Absence –	ZAM-29	
MELTING POINT:		
Liquid @ Ambient	ZAM-59	
ODOR:		
Typical –	ZAM 16	
COLOR:		
6 Max	ZAM 02	
ACID VALUE:		
MAX –	32.0	ZAM 26

COMPATIBILITY AND SOLUBILITY

SOLVENT 90%	ZENESTER D 10%	
	50°C	Room Temp
Water	dispersible	dispersible
DC 200	insoluble	insoluble
Glycerine 96%	insoluble	insoluble
Eutanol G	soluble	soluble
Propylene glycol	dispersible	dispersible
Mineral oil	insoluble	insoluble
Isopropyl Myristate	insoluble	insoluble
DC 345	insoluble	insoluble
Octyl Palmitate	insoluble	insoluble
Safflower Oil	dispersible	dispersible
Ethanol 95%	soluble	soluble
Castor Oil	soluble	soluble

GLOBAL DESIGNATIONS

INCI NAME: PEG-8 Dimethicone/Dimer Dilinoleic Acid Copolymer

EINECS: Polymer Exempted

CAS # -841251-40-9

Japan: Permitted

Patent Pending

PERSONAL CARE

APPLICATIONS

HAIR CARE: Conditioners, Leave on, Shampoos, Clear Styling gels, Sprays.

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

SUN CARE: Sprayable creams and lotion sunscreens. Balms.

USE LEVELS: 0.25%-5%

PACKAGING

Pail 16 kilos
Drum 100 kilos

SHELF LIFE

36 months in unopened containers

Toxicological data pending
We do not test on animals!
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