



TECHNICAL DATA SHEET

TDS

ZENESTER S

ZENESTER S is a water soluble high molecular weight (25000) 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 S is non-ionic and is compatible with cationic and anionic systems thereby providing the formulator with greater latitude. This product is water soluble and goes clear into a formula. ZENESTER S is patent pending

CHEMICAL STRUCTURE

Zenester S is a polyester made by the reaction of dimer acid and PEG-8-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 – 32.0 ZAM 26

COMPATIBILITY AND SOLUBILITY

SOLVENT 90%

Water
Glycerine 96%
Eutanol G
DC 200
Propylene glycol
Mineral oil
Isopropyl Myristate
DC 345
Octyl Palmitate
Safflower Oil
Ethanol 95%
Castor Oil

ZENESTER S 10%

<u>50°C</u>	<u>Room Temp</u>
soluble	soluble
insoluble	insoluble
insoluble	insoluble
insoluble	insoluble
dispersible	dispersible
insoluble	insoluble
insoluble	insoluble
insoluble	insoluble
insoluble	insoluble
insoluble	insoluble
soluble	soluble
soluble	soluble

GLOBAL DESIGNATIONS

INCI NAME: PEG-8

Dimethicone/Dimer Dilinoleic Acid Copolymer

EINECS: Polymer Exempted

CAS # 841251-40-9

Japan: Pending

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%-4%

PACKAGING

Pail 16 kilos
Drum 100 kilos

SHELF LIFE

36 months in unopened containers

Toxicological data pending
We do not test on animals!
070606

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