



ZENESTER Q

. **ZENESTER Q** is microemulsion functionalized cationic polyester, high molecular weight (30,000). **Zenester Q** is the only cationic functioning quat to be reacted with a fatty acid It improves substantivity and conditioning because of the high weight and cationic charge. **ZENESTER Q** is highly lubricious and provides excellent wet comb and conditioning as well as superb skin feel when delivered from aqueous systems. **ZENESTER Q** is patent pending

CHEMICAL STRUCTURE

Zenester Q is a polyester made by the reaction of dimer acid and a cationic version of 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:	
6 Max	ZAM 02
ACID VALUE:	
MAX – 15.0	ZAM 26

COMPATIBILITY AND SOLUBILITY

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

GLOBAL DESIGNATIONS

INCI NAME: Silicone Quaternium 19

EINECS: Polymer Exempted

CAS #

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!

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