

Technical Data Sheet

version 2012/12/21 Shin-Etsu Chemical Co., Ltd.

KF-6017

Emulsifying Linear Silicone

Silicone Emulsifier

■ Features & Advantages	Emulsions W/SiGood compatibility with silicones
■ Applications	Skin care Make-up
■ Percentage of use	0.1-4 %
■ INCI name	PEG-10 DIMETHICONE

■ Structure

Linear silicone chain

PEG

PEG

PEG

■ Characteristics

Properties	Unit	Values	Standard method / condition
Appearance (color)	_	Colorless to light yellow	Visual observation
Appearance (transparency)	_	Transparent	Visual observation
Appearance (texture)	_	Liquid	Visual observation
Percentage of active raw material	%	100	
Viscosity	mm²/s	600	Cannon fenske viscosimeter
Specific gravity	_	1.01	Densimeter
Refractive index	_	1.420	Refractometer
HLB		4.5	Calculated

(Not specific values)

■ Solubility / compatibility

KF-995 (Cyclopentasiloxane)	S
KF-96A-6cs (Dimethicone)	S
Mineral oil	PS
Isotridecyl Isononanoate	S
Triethylhexanoin	S
Ethyl alcohol	S
Isopropyl alcohol	S
Propylene glycol	S
Butylene glycol	S
Glycerin	I
Water	I

S : Soluble
PS: Partially soluble
I : Insoluble

Tests done at 20% of concentration

■ Processing (How to use)	The product is ready to use.		
■ Packaging	17 kg can, 180 kg drum		
■ Storage	The silicone products may deteriorate when it comes in contact with heat, light, acid, alkaline, etc.		
	Be sure to seal tightly and store in a cool dark place away from heat and flame.		
■ Safety	Please consult our MSDS.		

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