



ZENICONE DMC-1

ZENITECH developed this PEG Dimethicone for use in hair and skin care to reduce surface tension and improve foam in shampoos. Our DMC-1 acts as an emulsifier in skin applications and superb wetting agent in color..

PEG Dimethicone

CHEMICAL AND PHYSICAL PROPERTIES

APPEARANCE:

Light honey – ZAM-18

FOREIGN MATTER:

None – ZAM-29

COLOR:

2 MAX – ZAM 02

SPECIFIC GRAVITY:

1.04

VISCOSITY:

700-ZAM-09

CALCULATED HLB:

12.0

INVERSE SOLUBILITY POINT

0.1 PERCENT WATER SOLUTION, 53°C

GLOBAL DESIGNATIONS

INCI NAME PEG 8 Dimethicone:

CAS #68937-54-2

EINECS Polymer Exempted

Japan #jctic-521039

FORM :liquid

COMPATIBILITY AND SOLUBILITY

SOLVENT

Water
Ethanol
Propylene glycol
Mineral oil
Isopropyl Myristate
Cyclomethicone
Octyl Palmitate
Panalane L-14E
Safflower oil

ZENICONE DMC-1

	50°C	Room Temp.
Water	soluble	soluble
Ethanol	soluble	soluble
Propylene glycol	insoluble	insoluble
Mineral oil	insoluble	insoluble
Isopropyl Myristate	soluble	soluble
Cyclomethicone	insoluble	insoluble
Octyl Palmitate	soluble	soluble
Panalane L-14E	insoluble	insoluble
Safflower oil	soluble	soluble

PERSONAL CARE APPLICATIONS

HAIR CARE
SKIN CARE
SUN CARE
FOAM-BUILDING ABILITY
FOAM HEIGHT, INITIAL
40mm
FOAM HEIGHT,
AFTER 5 MINUTES
30 mm
Optimum stability of water solutions at a pH factor between 5 - 10

PACKAGING

PAIL 16 kilos

DRUM 220 kilos

SHELF LIFE
24 months in unopened containers

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