



# 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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