



PEG-12 Dimethicone Fluid

INCI Name: PEG-12 Dimethicone (CAS # 68937-54-2)



PEG-12 Dimethicone provides enhanced comb ability and silky feel

Clearco PEG-12 Dimethicone is a silicone glycol copolymer soluble in water, alcohol, and hydro-alcoholic systems. It acts as a surface tension depressant, wetting agent, emulsifier and foam builder in a wide variety of cosmetic and personal care products, including hair sprays, shampoos, skin care, lotions, perfumes and shaving soaps.

PEG-12 gives a stable foam. In conditioning shampoos, it provides wet and dry combing in addition to imparting a silky, soft feel to the hair without build up even after repeated wash cycles. It provides the properties of conditioning, emolliency and detackification in both body and hair shower products.

Features

- Effective surface tension depressant
- Excellent conditioning
- Imparts a silky soft feel
- Detackifies greasy formulations
- Good foam builder
- Low usage levels required
- Compatible with a wide range of cosmetic ingredients
- Ensures smooth wet shaving foams

Properties

Formula	Silicone glycol copolymer
Appearance	Amber
Specific gravity @25°C	1.07
Viscosity at 25 at 25°C	425cSt (mm2/sec)
Freezing point	Not determined

Typical Usage

Product	Desired effect	Usage level%
Hair spray	Luster/detack	0.1 to 1.0
Shampoo	Manageability/feel	1.0 to 5.0
Pre-shave lotion	Emolliency	1.0 to 3.0
Shaving cream	Emolliency, stability	0.2 to 2.0
Skin lotions	Emolliency, lubricity	0.1 to 2.0
Perfumes	Wetting/feel	0.1 to 0.5

Compatibility

Compatible	Incompatible *
Water Ethanol (70%) Stearyl alcohol Stearic acid IPM	Beeswax Glycerol Lanolin Mineral Oil Paraffin wax Dimethicone, 350cSt

* Completely or partially immiscible

Packaging

1-gallon container (3.6kg) 5-gallon container (18k) 55-gallon drums (180 kg per drum)
FOB Phila, PA 19135

CAS Information

Dimethyl, methyl(polyethylene oxide) siloxanes.....CAS 68937-54-2	> 60%
Polyethylene oxide monoallyl ether.....CAS 27274-31-3	10 to 30%
Polyethylene glycol.....CAS 25322-68-3	7 to 13%

**For More Information,
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