

Product Information

Personal Care

DOW CORNING

DOW CORNING® 1501 Fluid

BENEFITS

- Film forming
- Imparts soft velvety skin feel
- Conditions hair, especially split ends
- Long lasting, resistant to wash-off

INCI NAME: Cyclopentasiloxane (and) Dimethiconol

APPLICATIONS

- Areas of potential use for DOW CORNING 1501 Fluid encompass a wide range of Cosmetic and Toiletry applications such as:
 - Skin Care
 - Colour Cosmetics
 - Sun Care
 - Hair Care
 - Shower Gels
 - Antiperspirants and Deodorants.

TYPICAL PROPERTIES

Specification writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales representative prior to writing specifications on this product.

Parameter	Unit	Value
Appearance		Clear to slightly hazy, viscous liquid
Non-volatile content	%	15
Viscosity at 25°C (77°F)	mm ² /s	6000
Refractive index at 25°C (77°F)		1.396
Specific gravity at 25°C (77°F)		0.96
Flash point	°C	>62
	°F	>143.6
Cyclotetrasiloxane (D4) content	%	<0.94

DESCRIPTION

DOW CORNING 1501 Fluid is a blend of approximately 15% of an ultra high viscosity Dimethiconol in cyclopentasiloxane. The skin feel of DOW CORNING 1501 Fluid has been demonstrated to be equivalent to that of DOW CORNING® 1401 Fluid.

FORMULATION TIPS

Emulsion products:

1. DOW CORNING 1501 Fluid can be incorporated directly into the oil phase of the formulation.
2. If temperatures above 70°C (158°F) are being used to melt the oil phase, DOW CORNING 1501 Fluid should

be added slowly after the formation of the emulsion, and below 60°C (140°F), using a high shear mixer.

Non-emulsion products:

It is advisable to add cosmetic ingredients to the silicone and not vice versa as often ultra high molecular weight dimethiconol is incompatible with other cosmetic ingredients.

HANDLING PRECAUTIONS

PRODUCT SAFETY
INFORMATION REQUIRED FOR
SAFE USE IS NOT INCLUDED.
BEFORE HANDLING, READ
PRODUCT AND SAFETY DATA

SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE FROM YOUR LOCAL DOW CORNING SALES REPRESENTATIVE.

USABLE LIFE AND STORAGE

When stored at or below 25°C (77°F) in the original unopened containers, this product has a usable life of 30 months from the date of production.

PACKAGING

This product is available in 25kg pails and 195kg drums.

Samples are available in 250g packs.

LIMITATIONS

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

HEALTH AND ENVIRONMENTAL INFORMATION

To support customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Health, Environment and Regulatory Affairs specialists available in each area.

For further information, please consult your local Dow Corning representative.

WARRANTY INFORMATION - PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that Dow Corning's products are safe, effective, and fully satisfactory for the intended end use. Dow Corning's sole warranty is that the product will meet the Dow Corning sales specifications in effect at the time of shipment. Your

exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. Dow Corning specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability. Unless Dow Corning provides you with a specific, duly signed endorsement of fitness for use, Dow Corning disclaims liability for any incidental or consequential damages. Suggestions of use shall not be taken as inducements to infringe any patent.

COMPATIBILITY

Type of material

Water	I
Ethanol (200 proof)	up to 26%
Propylene Glycol	I
Octyl Methoxycinnamate	up to 12%

Hydrocarbons

Mineral oil 8 mm ² /s	up to 58%
Isododecane	C
Isopar H	C

Oils

Almond oil	up to 9%
Castor oil	I
Jobba oil	up to 14%
Soybean oil	up to 8%
Sunflower oil	up to 9%

Esters

Isopropyl Myristate	C
Isopropyl Palmitate	up to 79%
Octyl Palmitate	up to 53%
C ₈ -C ₁₈ Alcohol Benzoate	up to 35%
Capric/Caprylic Triglycerides	up to 32%
Octyldodecanol	up to 23%
Oleyl Alcohol	up to 13%

Silicones

Dimethicone (All viscosities)	C
Phenyl Trimethicone	C

C: Compatible all ratios; I: Incompatible all ratios

Up to: x% of the tested material is compatible with the remaining % of DOW CORNING 1501 Fluid
