



Technical Data Sheet

DOWSIL™ CB-1556 Fluid

INCI NAME: Phenyl Trimethicone (and) Dimethiconol

Features & Benefits

- High refractive index
- Film forming
- Non-occlusive
- Non volatile
- Provide hair shine
- Improved compatibility with natural oils and UV absorbers
- Good hair conditioning properties
- Hair split-ends repair
- Silky, lubricious skin feel
- Long lasting
- Film barrier properties
- Wash off resistance

Applications

Areas of potential use for DOWSIL™ CB-1556 Fluid encompass a wide range of cosmetic and toiletry applications such as:

- Skin care
- Hair care
- Sun care
- Color cosmetics

Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

Property	Unit	Result
Appearance		Clear viscous liquid
Non-volatile content	%	100
Viscosity at 25°C (77°F)	mm ² /s	5000
Refractive index at 25°C (77°F)		1.452
Flash point	°C	> 105
D4/D5/D6	%	< 0.1

Description	DOWSIL™ CB-1556 Fluid is a clear viscous liquid, where approximately 12% of an ultra high viscosity Dimethiconol gum is dispersed into phenyl functional silicone fluid.
How to Use	<p>DOWSIL™ CB-1556 Fluid can be incorporated directly into the oil phase of the formulations with high speed mixing. As it is non-volatile, it is not sensitive to heat during process.</p> <p>Non-emulsion Products</p> <p>It is advised to add cosmetic ingredients to DOWSIL™ CB-1556 Fluid and not vice versa to avoid the Dimethiconol gum precipitating out of the solution due to an incompatibility with other cosmetic ingredients. Recommended use level is from 5 to 15% in skin care products and up to 40% in hair care applications such as split-ends repair products.</p>
Handling Precautions	PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. 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 ON THE DOW WEBSITE AT DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.
Usable Life and Storage	Product should be stored at or below 25°C (77°F) in original, unopened containers.
Limitations	<p>This product is neither tested nor represented as suitable for medical or pharmaceutical uses.</p> <p>Not intended for human injection. Not intended for food use.</p>
Health and Environmental Information	<p>To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.</p> <p>For further information, please see our website, dow.com or consult your local Dow representative.</p>
Disposal Considerations	<p>Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.</p> <p>It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.</p>
Product Stewardship	Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

Compatibility

Type of Material	
Water	I
Propylene Glycol	I
Ethanol (200 Proof)	Up to 14%
Octyl Methoxycinnamate	Up to 15%
Hydrocarbons	
Mineral Oil	Up to 25%
Isododecane	C
Isohexadecane	C
Isoparaffin	C
Oils	
Sunflower Oil	Up to 11%
Esters	
C12-C15 Alcohol Benzoate	Up to 24%
Capric /Caprylic Triglycerides	Up to 22%
Isopropyl Myristate	C
Isopropyl Palmitate	C
Silicones	
Dimethicone (All Viscosities)	C
Cyclopentasiloxane	C
Caprylyl Methicone	C

C: Compatible all ratios;

I: Incompatible all ratios;

Up to: x% of the tested materials is compatible with the remaining % of DOWSIL™ CB-1556 Fluid

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