

Vertasil® TM-L01 is a naturally derived and multifunctional hybrid fluid that offers improved solubility and sensory experience when compared to cyclosiloxanes.

Property	TM-L01
Color	Colorless
Refractive Index	1.426
Organic Compatability	Yes
Viscosity (cSt)	4-5
Volatility	Slight
Flash Point °C	>65
Boiling Point °C	295

VERTASIL® TM-L01 Benefits

- Non-Volatile, Environmentally Friendly
- Contains a Natural Component
- Improved Sensory Experience
- Reduces Tack & Greasiness
- Soft & Silky After Feel
- Improves Spreadability
- Fast Adsorption on Skin
- Light & Dry Skin Feel
- Cleansing Properties
- Non-Sensitizing

VERTASIL® TM-L01 Applications

Alternative to D₅ in These Products:

- Tanning Oils
- Foundations
- Color Cosmetics
- Men's Grooming Products
- Bath & Cleaning Products
- Creams and Lotions
- Hair Care Products
- Personal Hygiene Wipes
- Solid Sticks

SOLUBILITY

Vertasil® TM-L01 has improved solubility characteristics over cyclopentasiloxane, permitting greater compatibility with common raw materials including natural oils and waxes, hydrocarbons, esters, and sunscreens.

Solubility	TM-L01	D ₅
Hydrogenated Polydecane	Soluble	Partial Soluble
Octyldodecyl Stearate	Soluble	Insoluble
Triisostearyl Citrate	Soluble	Insoluble
Natural Waxes	Soluble Hot	Partial Soluble
Lanolin Oil	Soluble	Soluble Hot
Octinoxate	Soluble	Insoluble

Cleansing Milk with Vertasil® TM-L01

Formula LF2-068

Phase A

Deionized Water	q.s.
Acrylate Copolymer	0.20
Actives	q.s.
Propanediol	1.0

Phase B

Vertasil® TM-L01	10.0
Isopropyl Myristate	5.00
Polyglyceryl-3 Oleate	2.00
Polysorbate 80	0.50
Tocopherol	0.50

Phase C

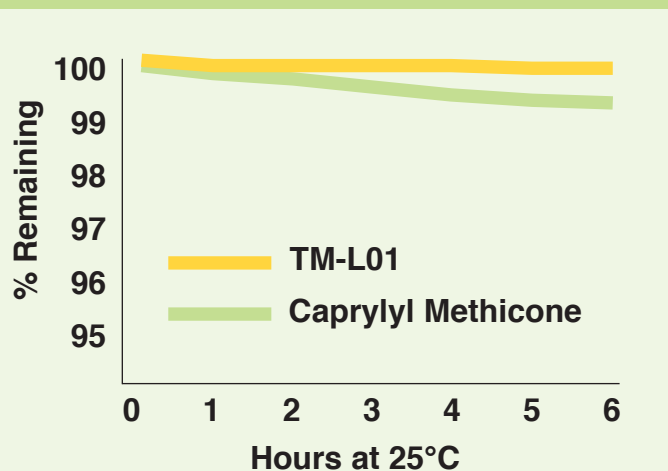
Red 40	q.s.
Preservative	q.s.
Fragrance	0.50

CLEANSING PROPERTIES

The gentle cleansing properties of Vertasil® TM-L01 are due to the insertion of limonene onto an emollient silicone. This combination offers the formulator an additional benefit in bath products, cleansing products, and wipes.



Volatility Comparison



Compatibility Comparison

