

VERTASIL® TM-L01

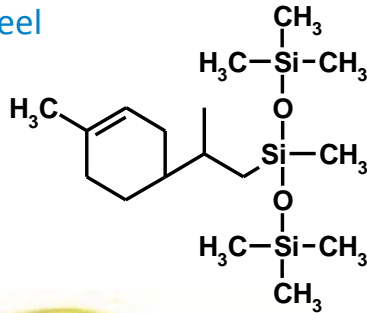
CAS: [1263044-00-3]/[126343-997]

INCI Name: METHYLCYCLOHEXYNYL ISOPROPYL TRISILOXANE

Vertasil® TM-L01 is a naturally derived commercial multi-functional hybrid fluid that offers improved solubility and sensory experience when compared to caprylyl methicone & cyclosiloxanes.

VERTASIL® TM-L01 BENEFITS :

- Lower Volatility, Environmentally Friendly
- Contains a Natural Component
- Improved Sensory Experience
- Reduced Tack and Greasiness
- Richer, Lubricious After Feel
- Soft and Silky After Feel
- Improved Spreadability
- Fast Adsorption on Skin
- Colorless & Odorless
- Light & Dry Skin Feel
- Cleansing Properties



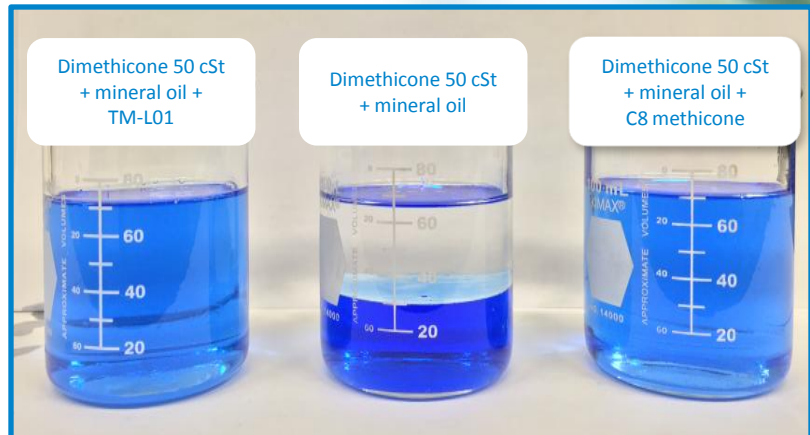
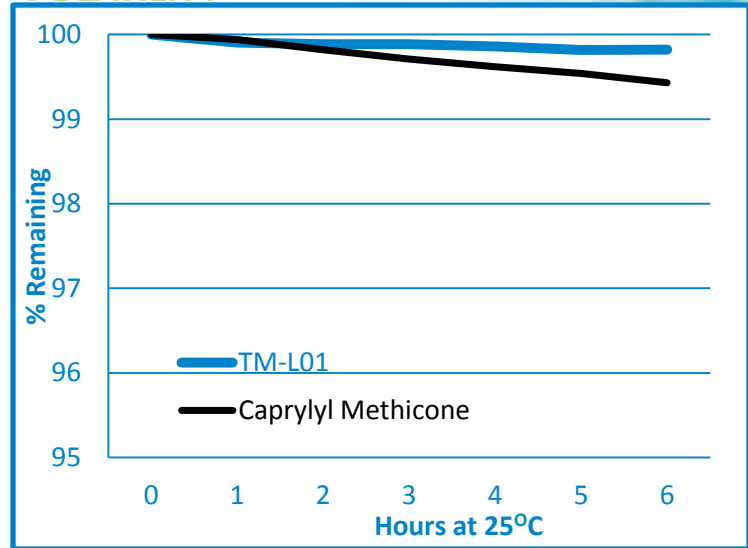
SOLUBILITY

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

PHYSICAL PROPERTIES

| 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 |

VOLATILITY



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, cleansing products, and wipes.



Cleansing Milk with Vertasil® TM-L01

Phase A

| | | |
|------------------------|--|------|
| Deionized Water | | q.s. |
| Ultrez 20 ¹ | Acrylates/C10-20 Acrylates Crosspolymer | 0.20 |
| Actives | | q.s. |
| Zemea® ² | Propanediol | 1.0 |

Phase B

| | | |
|---|-----------------------------|-------------|
| Vertasil® TM-L01³ | Limonenyltrisiloxane | 10.0 |
| Liponate® IPM ⁴ | Isopropyl Myristate | 5.00 |
| PG3-O ⁴ | Polyglyceryl-3 Oleate | 2.00 |
| Tween™ 80 ⁵ | Polysorbate 80 | 0.50 |
| Vitamin E | Tocopherol | 0.50 |

Phase C

| | | |
|---|-----------|------|
| Red 40 ⁶ | | q.s. |
| Preservative | | q.s. |
| Grapefruit & Wheatgrass ⁷ | Fragrance | 0.50 |

Suppliers:

¹Lubrizol ²DuPont Lyle Tate ³Gelest ⁴Lipo ⁵Croda ⁶Emerald ⁷The Lebermuth Co.

Formula LF2-068

DISTRIBUTION PARTNERS FOR PERSONAL CARE INGREDIENTS:

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