

**SiBrid® TM-031** is a personal care silicone vehicle with solubility and volatility characteristics similar to cyclopentasiloxane (D<sub>5</sub>). These properties allow formulators to achieve performance needed while addressing regulatory concerns.

Property	TM-031
Color	Colorless
Refractive Index	1.3989
Organic Compatability	Yes
Viscosity (cSt)	1-2
Flash Point °C	54
Boiling Point °C	197

### SiBrid® TM-031 Applications

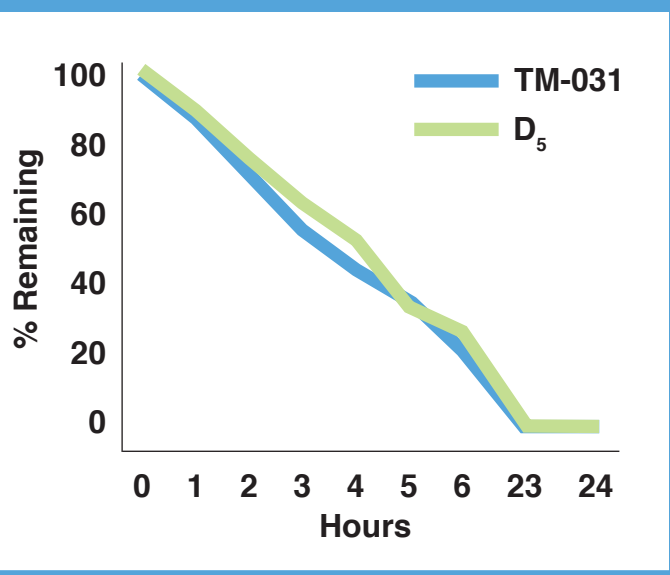
#### Alternative to D<sub>5</sub> in These Products:

- Tanning Oils
- Foundations
- Bath & Cleaning Products
- Solid Sticks
- Hair Care Products
- Creams and Lotions

### SiBrid® TM-031 Benefits

- Reduces Tack & Greasiness
- Improves Spreadability
- Cleansing Properties
- Light & Dry Skin Feel
- Soft & Silky After Feel

### Volatility of TM-031 vs. D<sub>5</sub> @ 25°C



## Solubility of SiBrid® TM-031 vs. D<sub>5</sub> (1:1)

Cosmetic Ingredient	TM-031	D <sub>5</sub>
Dimethicones	Soluble	Soluble
Diethicones	Soluble	Soluble
Ethyl Hexyl Palmitate	Soluble	Soluble
Hydrogenated Polyisobutene	Soluble	Soluble
Hydrocarbons	Soluble	Soluble
Octyl Methoxycinnamate	Soluble	Insoluble
Jojoba oil	Soluble	Soluble
Shea butter	Soluble	Soluble
Castor Oil	Insoluble	Insoluble
Caprylyl/Capric Triglyceride	Soluble	Soluble
Isododecane	Soluble	Soluble
Ethanol	Soluble	Soluble



**Makeup Remover with SiBrid® TM-031** Use TM-031 as a makeup solvent to clean up mascara, eyeliner, and other long-wearing or waterproof eye and face makeup instantly.

Ingredient	INCI Name	Supplier	%
<b>Phase A</b>			
DI Water	Water (Aqua)		QS
Butylene Glycol	Butylene Glycol		5.00
Preservative			QS
Purslane Extract	Aqua/Butylene Glycol/ Portulaca Oleracea L. Extract	SK Bioland	0.50
Blue 1	FD&C Blue No. 1		
<b>Phase B</b>			
<b>SiBrid® TM-031</b>	<b>Propyl Trisiloxane</b>	<b>Gelest</b>	<b>40.00</b>
Sparkling Rose	Fragrance (Parfum)	Premier Specialties	QS