



## DuPont™ Liveo™ Silicone Resin Blend offering<sup>(1)</sup>

Product	Chemical description	Carrier	Main benefits
Liveo™ TE-9720 Resin Blend <sup>(1)</sup>	Dimethicone and Trimethylsiloxysilicate	Dimethicone 100 cSt	<ul style="list-style-type: none"> <li>Film-forming behavior</li> <li>Long-lasting film</li> <li>Wash-off resistance</li> <li>Non-occlusive/breathable material</li> </ul>
Liveo™ TE-9721 Resin Blend <sup>(1)</sup>	Caprylyl Methicone and Trimethylsiloxysilicate	Caprylyl Methicone	<ul style="list-style-type: none"> <li>Film-forming behavior</li> <li>Long-lasting film</li> <li>Wash-off resistance</li> <li>Non-occlusive/breathable material</li> <li>Good compatibility with various excipients</li> </ul>

<sup>(1)</sup>New development with low cyclosiloxane content. Has been designed to meet the substance of very high concern (SVHC) threshold for concerned cyclosiloxanes (below 0.1%) proposed by REACH regulation (EC) No 1907/2006.

## Proposed Liveo™ Silicone Resin Blend technology toolbox<sup>(2)</sup>

Specification writers: These values are not intended for use in preparing specifications. Please contact your local Liveo™ representative prior to writing specifications on these products.

Carrier fluid	Resin level	Drying time	Occlusivity <sup>(3)</sup>	Film flexibility	Film integrity		Rub-off resistance	Substantivity on skin <sup>(4)</sup>	Substantivity vs. washes <sup>(4)</sup>	Product name <sup>(5)</sup>
					1 hr	6 hr				
Silicone volatile										
HMDS, 0.65 cSt	20%	++++	Non	0	+++	0	+	++++	+++	C
	40%	++++	Non	0	++++	++	++	++++	+++	C
	50%	++++	Non	0	++++	+++	++	++++	+++	C
Dimethicone, 2 cSt	40%	++	Non	0	++++	+	++	++	0	C
Organic volatile										
Isododecane	20%	+++	Non	0	+++	0	++	+	+	C
	40%	+++	Non	0	++	0	+++	+	+	C
Silicone fluid										
Dimethicone, 5 cSt	40%	0	Non	+++	+++	0	0	+	+	C
	50%	0	Non	+++	+++	0	0	+	0	C
Dimethicone, 100 cSt	30%	0	Non	+++	++++	+++	0	++	+	TE-9720
	40%	0	Semi	+++	++++	+++	0	++	+	C
Specialty silicone fluid										
Caprylyl Methicone	40%	+	Non	0	++++	+	0	++	+	C
	50%	+	Non	0	++++	+	+	++	+	TE-9721
Organic solvent										
Isopropyl Myristate	40%	0	Non	0	+++	0	0	+	+	C

<sup>(2)</sup>Other combinations are available on demand. | <sup>(3)</sup>Non = non-occlusive; Semi = semi-occlusive. |

<sup>(4)</sup>For substantivity evaluation versus time and washes, materials were diluted at 5% in solvent to avoid saturation of the peak. | <sup>(5)</sup>C = concept test.

Legend: + to ++++ = level of benefit (lowest to highest); 0 = no benefit.



To learn more about DuPont™ Liveo™ Healthcare Solutions, visit [liveo.dupont.com](https://liveo.dupont.com).



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Positive Patient Outcomes.

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