

Expertise Plus Information

15th March 2018
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With a touch of green

Silicone alternative solutions

Ever-growing demand for alternatives to volatile silicones is further driven by ongoing uncertainties due to EU regulatory projects on restricting the use of D4 and D5 in personal care. BASF's oleochemical technology delivers light emollients to meet this need across different market segments.



Product Criteria	Cetiol® Ultimate	Cetiol® OE	Cetiol® Sensoft	Cetiol® C 5	Cetiol® CC
INCI name	Undecane (and) Tridecane	Dicaprylyl Ether	Propylheptyl Caprylate	Coco-Caprylate	Dicaprylyl Carbonate
Unique skin sensory attribute	Silicone oil feel Powdery Wax-dry	Wax-dry Cushiony	Very cushiony	-	Dry Cushiony
Spreading value (mm²/10min)	>2 500 (volatile)	1 600	1 400	1 300	1 200
Application	<input checked="" type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input checked="" type="checkbox"/> 4 <input type="checkbox"/> 5 <input checked="" type="checkbox"/> 6	<input checked="" type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5 <input checked="" type="checkbox"/> 6	<input checked="" type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input checked="" type="checkbox"/> 4 <input checked="" type="checkbox"/> 5 <input type="checkbox"/> 6	<input checked="" type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input checked="" type="checkbox"/> 4 <input type="checkbox"/> 5 <input checked="" type="checkbox"/> 6	<input checked="" type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input checked="" type="checkbox"/> 4 <input checked="" type="checkbox"/> 5 <input checked="" type="checkbox"/> 6
Naturalness*	100%	100%	< 70 %	100%	≥ 70%
Biodegradability	Readily biodegradable	Readily biodegradable	Readily biodegradable	Readily biodegradable	Readily biodegradable
RSPO Mass balance	-	Available	Available	Available	Available
COSMOS Approval	Yes	Yes**	-	Yes	Yes***
China status: Listed in IECIC	Yes	Yes	Yes	Cetiol® C 5C Yes	Yes

1 Face care
 2 Body care
 3 Sun care
 Strong recommendation
 4 Color care
 5 AP/Deo
 6 Hair Care / rinse off

* share of C-atoms from renewable sources
 ** according to Appendix II
 *** according to Appendix V.3

You can find additional information about Silicone alternative solutions and contact your local BTC partner directly using the [Solution Finder](#).