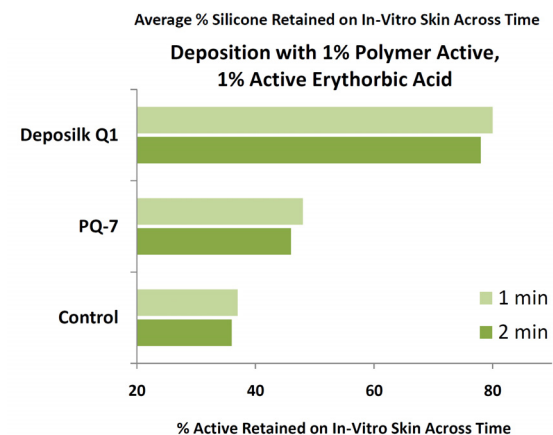
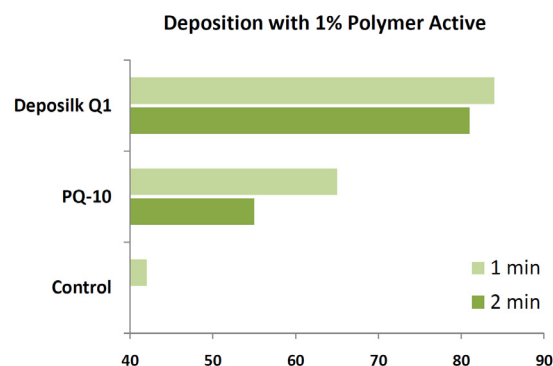




Silky Skin Whitening Cream with Deposilk™ Q1 Polymer Formulation No. S006

The Silky Skin Whitening Cream with Deposilk™ Q1 Polymer formulation provides formulators with an illustration of Deposilk Q1 Polymers' ability to provide exceptional anti-aging and skin whitening benefits and excellent silky, smooth feel through a basic formulation. In this instance, Deposilk Q1 Polymer is able to improve the retention of both silicone as well as ascorbic acid, thereby improving skin whitening benefits as well as feel and skin conditioning. The simplicity of this formulation provides formulators with a starting point from which to craft products delivering their unique value proposition to consumers.

The adjacent graphs are representative of the retention performance of Deposilk Q1 Polymer within in-vitro wash-off tests. Silicone testing was performed on a version of this formulation not containing ascorbic acid. Erythorbic acid testing was used as a proxy for ascorbic acid; erythorbic acid is an isomer of ascorbic acid and was tested on a version of this formulation not containing silicone. Please contact Air Products for further details concerning these tests.



Typical Formulation Properties
(not to be used as specifications)

pH	5.5
Viscosity (cPs)	6,400 — 7,200

- Procedure**
1. Add all Phase B ingredients together into a vessel and heat to 85 °C while mixing
 2. Add Water and Deposilk Q1 Polymer to a second vessel and begin heating to 85 °C
 3. Once Deposilk Q1 Polymer is fully dispersed add Ascorbic Acid to second vessel
 4. Once both vessels reach 85 °C, add Phase B into Phase A
 5. Cool to 65 °C and homogenize at 5000 rpm for 3 minutes. Continue mixing until formulation reaches room temperature
 6. Add Phase C once at room temperature
 7. Adjust to desired pH with TEA and package

INCI Name Trade Name, Supplier	% W/W	Function
Phase A		
Aqua Water	90.9	Diluent
Deposilk Q1 Polymer Air Products	1.6	Deposition and Sensory Agent
Ascorbic Acid Ascorbic Acid	0.5	Anti-Aging Active
Phase B		
Octyl Methoxycinnamate Uvinul® MC80, BASF	1.0	Oil
Cetearyl Alcohol Crodacol® 1618, Croda	5.5	Stabilizer
Ceteareth-25 Cremaphor® A25, BASF	0.5	Emulsifier
Phase C		
Dimethiconol (and) TEA-Dodecylbenzene-Sulfonate DC® 1784 Emulsion, Dow Corning	1.0	Emollient
DMDM Hydantoin (and) Iodopropynyl Butylcarbamate Glydant® plus Liquid, Lonza	0.5	Preservative



For Samples or More Information

If you would like additional information or technical assistance in preparing specific formulations, write or call Air Products and Chemicals, Inc.

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