

Leave-On Conditioning Spray

CD-0005

A crystal clear conditioning spray which provides improved detangling and leave-in conditioning properties. This product uses **SilSense™* Silicones** and cationic conditioners for maximum efficacy.

	INCI Name, Trade Name	Weight %	Function
A.	1. Deionized Water	93.61	Diluent
	2. Cetrimonium Chloride (29%), Genamin CTAC	0.50	Conditioner
	3. Ammonium Dimethicone PEG-7 Sulfate, SilSense™* SA-1 Silicone	2.00	Conditioner
B.	4. Deionized Water	2.00	Diluent
	5. Benzophenone-4, Uvinul® MS-40	0.05	UV Absorber
	6. DMDM Hydantoin, Glydant®	0.30	Preservative
C.	7. Silicone Quaternium-8, SilSense™* Q-Plus Silicone	1.50	Conditioner
D.	8. Citric Acid (10%) or NaOH (18%)	0.04**	Acidifier

** q.s. to pH 5.25

Product Properties:

Appearance	Low viscosity, clear liquid
pH	5.00 – 5.3
Turbidity (NTU)***	5 - 15
Clarity (%T)****	95 - 98
Stability:	Passed 3 months @ 45°C, 5 cycles freeze/thaw

*** HF Scientific, Inc., Micro 100 Turbidimeter

**** Brinkmann PC 920 colorimeter, 420 nm

Supplier References:

Clariant (2)
Noveon, Inc. (3, 7)
BASF (5)
Lonza (6)

Procedure:

1. Combine PART A ingredients and mix for 5 - 10 minutes.
2. Combine PART B ingredients (dissolve Benzophenone-4) and mix for 5 - 10 minutes.
3. With slow stirring, add PART B to PART A and mix for 10 - 15 minutes.
4. With slow stirring, add PART C. Continue to mix until product is uniform.
5. Adjust final pH with PART D.
6. Add color and fragrance, if desired.

CD-0005
Previous Formulation #: SIL-0024
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For more information visit www.noveon.com or www.carbopol.com or contact your nearest Noveon location.

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