

Sil-O-San 8651C

INCI: Amodimethicone and Cetrimonium Chloride and Trideceth-12

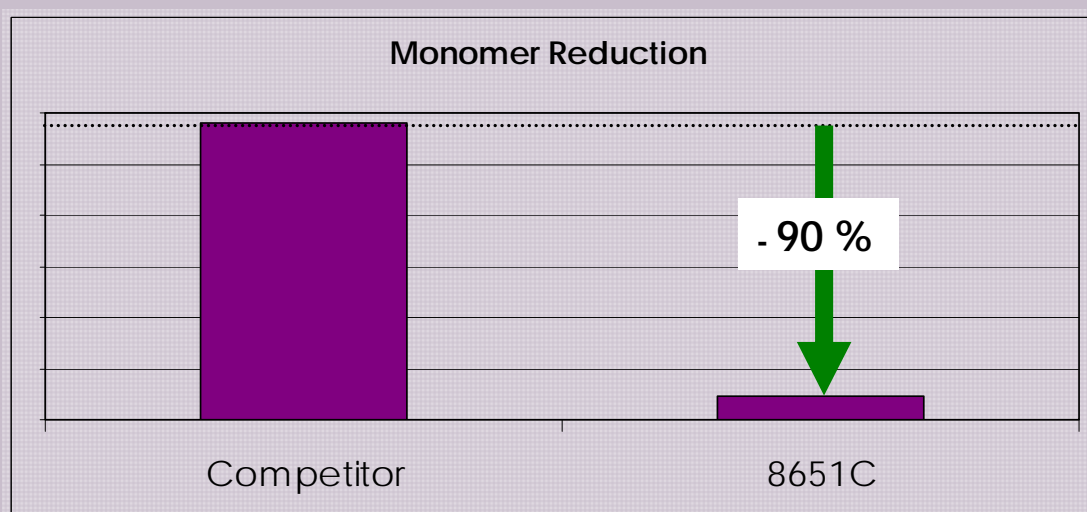
- Aminofunctional silicone, aqueous, cationic emulsion
 - Easy to formulate in hair care products
 - Good dilution stability

Characteristics:

- ✓ Excellent conditioning properties
- ✓ Imparts a soft and smooth feel to hair
- ✓ Improves the combing of wet and dry hair
- ✓ Sustainable hair care

Advantages:

- ✓ Reduced siloxane monomer content up to 90 %



Application of Sil-O-San 8651C

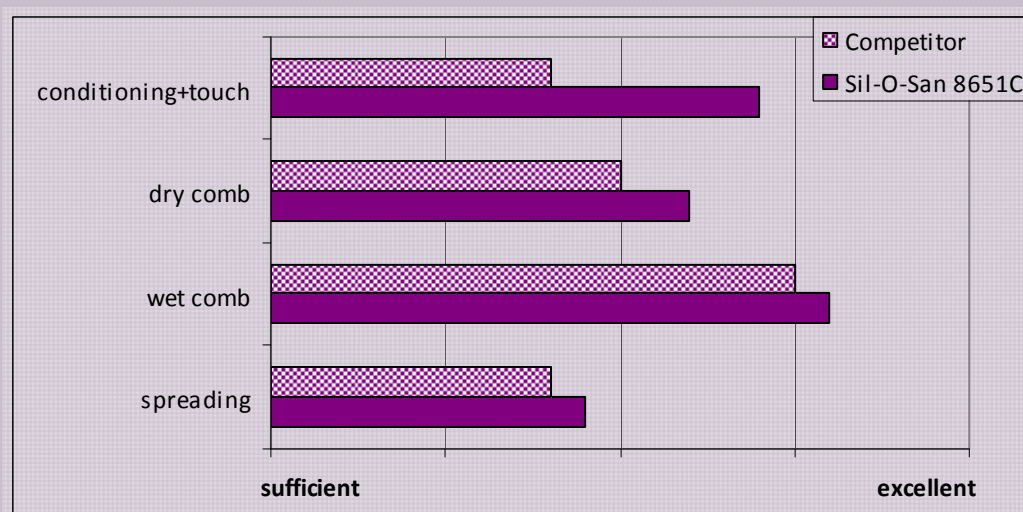
(max. concentration in the final product: 10 %):

- ✓ Rinse-off conditioners
- ✓ Leave-on conditioners
- ✓ Shampoos
- ✓ Colouring agents
- ✓ Styling products
- ✓ Deep conditioner

Conditioning Haircream		
Phase A	%	
Water	86.4	
Hydroxyethylcellulose	1.2	Dow Chemical
Phase B		
Cetylalkohol	4.0	Cognis GmbH
Sodium Stearoyl Glutamate	0.5	Cognis GmbH
Sil-O-San 8631C	2.0	Schill+Seilacher
Cetyldimethicone		
Struksilon 8601C	2.0	Schill+Seilacher
Cyclopentasiloxan		
Phase C		
Sil-O-San 8651C	3.0	Schill+Seilacher
Dehydroacetic acid, Benzoic acid, Sorbic acid, Caprylyl Glycol, Benzyl alcohol	0.6	SLI Chemicals
Parfume	0.3	Omikron GmbH

Benefits:

- ✓ Improved haptic and conditioning properties of a hair conditioner containing Sil-O-San 8651C compared to a competitor formulation



Toxicology:

- ✓ **Sil-O-San 8651C** was toxicologically examined concerning the endpoints skin irritation and eye irritation
- ✓ Exclusively in vitro toxicological testing approaches were applied (i.e., no animal tests)
- ✓ Toxicological studies were performed according to the respective OECD/EU guidelines under GLP conditions
- ✓ Validation by external toxicologists

Results of the toxicological studies:

- ✓ Sil-O-San 8651C is **non-irritant to skin** (tests on human skin model, EpiSkin™)¹
- ✓ Sil-O-San 8651C is considered a **very mild eye irritant** (BCOP-Test)² at an application concentration of 10 %
- ✓ **Improved product safety** due to reduced monomer content
- ✓ Main ingredient of Sil-O-San 8651C, amodimethicone, is considered safe for cosmetic products at the recommended concentrations (up to 3%) according to the **Cosmetic Ingredient Review**³

1 *In Vitro Skin Irritation Test: Human Skin Model Test with Struksilon 8651 C/ VP 5443 by EU-Methode B.46. Study-No. 1358601, September 2010*

2 *Bovine Corneal Opacity and Permeability Assay (BCOP) with Struksilon 8651C following OECD 437. Studien-No. 1358602, September 2010*

3 *Cosmetic Ingredient Review Expert Panel (2003), Final report on the safety assessment of stearoxy dimethicone, dimethicone, methicone, amino bispropyl dimethicone, aminopropyl dimethicone, amodimethicone, amodimethicone hydroxystearate, behenoxy dimethicone, C24-28 alkyl methicone, C30-45 alkyl methicone, C30-45 alkyl dimethicone, cetearyl methicone, cetyl dimethicone, dimethoxysilyl ethylenediaminopropyl dimethicone, hexyl methicone, hydroxypropyldimethicone, stearamidopropyl dimethicone, stearyl dimethicone, stearyl methicone, and vinyl dimethicone. Int J Toxicol 22(Suppl 2):11-35*

Schill+Seilacher**Any Questions?**

Our service team will be pleased to answer any questions and to assist you with advice and information at all times. We can also advise you of the contact data of our local offices and agencies.

Data sheets and samples of our products are available upon request.

Schill+Seilacher "Struktol" GmbH
Moorfleeter Straße 28
D-22113 Hamburg

Phone: +49 (0) 40 733 62-0
Fax: +49 (0) 40 733 62-194
E-Mail: struksilon@struktol.de

Schill+Seilacher Chemie GmbH
Alt Neundorf 13
D-01796 Pirna

Tel: +49 (0) 3501 7883-87
Fax: +49 (0) 3501 7883-88
E-Mail: struksilon@struktol.de

Website:
www.struktol.de

CALL US. WE HAVE THE SOLUTION.

Sales Partner

SLI Chemicals GmbH
Insterburger Strasse 7
60487 Frankfurt / Germany
Tel.: 0049 (0)69 74 74 28 0
Fax: 0049 (0)69 74 74 28 20
email: info@slichemicals.com

struksilon

SOLUTIONS | TAILORMADE | WORLDWIDE