



SOLVAY

asking more from chemistry®

Jaguar® C500
Conditioning Guar Polymer
For Hair with Weightless Volume

Beauty & Care

Jaguar® C500

A unique guar solution for weightless volume shampoo

Jaguar® C500 provides truly perceivable consumer benefits.

- ▶ Wet and dry conditioning
- ▶ Light manageable hair
- ▶ Volume booster
- ▶ Good rinsability
- ▶ No build-up after repeated use
- ▶ Rich and soft foam

Jaguar® C500 allows for the formulation of shampoos that meet the needs and desires of today's consumers.

- ▶ Hair volume
- ▶ Fine hair
- ▶ Greasy hair
- ▶ Everyday-use



What is Jaguar® C500?

Jaguar® C500 is a cationic guar derivative

INCI Name: Guar Hydroxypropyltrimonium Chloride

Appearance: Light yellow powder

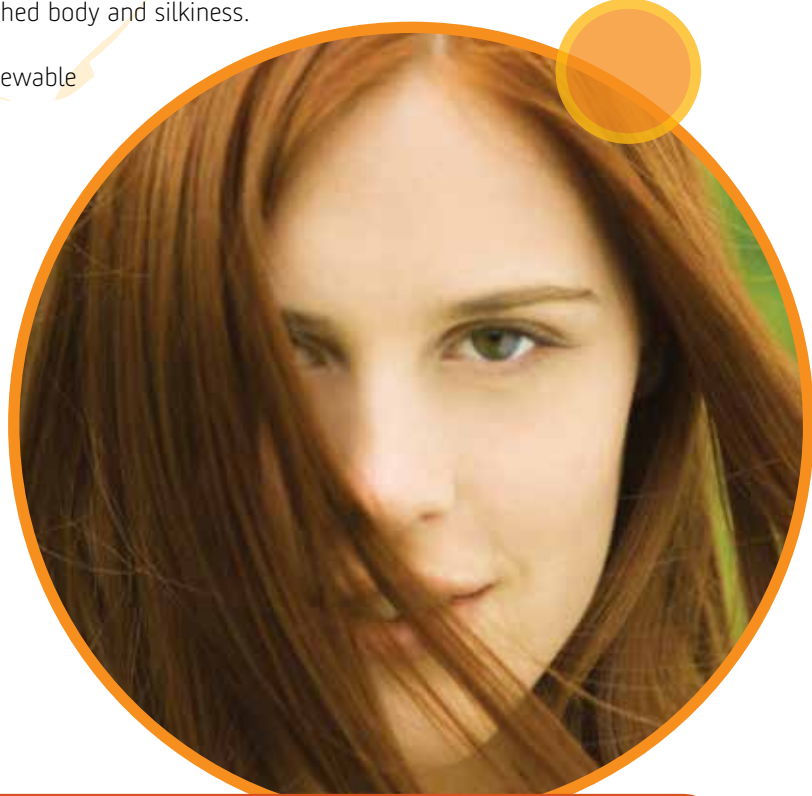
Viscosity: 25-65 mPa.s
(1wt% solution, Brookfield RVT, sp. 1/20rpm, 25°C, pH 6)

Jaguar® C500

Gives hair an extra lift!

Jaguar® C500 is the new conditioning guar polymer from Solvay. This natural guar beans derivative is ideal for volumizing shampoos. Hair feels light, manageable and infused with volume so it looks healthy and full of body. **Jaguar® C500** is the obvious choice for formulators who want to create weightless volume shampoos that give fine hair unmatched body and silkiness.

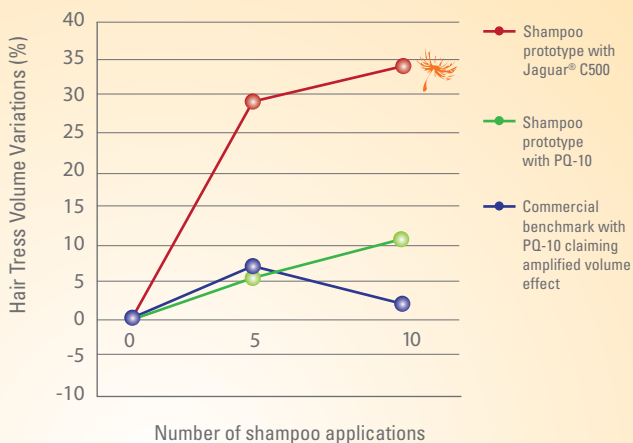
Derived from the seeds of guar beans, a natural and renewable resource, **Jaguar® C500** provides all the key benefits of guar — enhanced foam, unique feel, cost effectiveness and increased deposition of actives such as silicone. Plus, it enables formulators to provide a unique sensorial conditioning experience.



Pump Up the Volume with Jaguar® C500

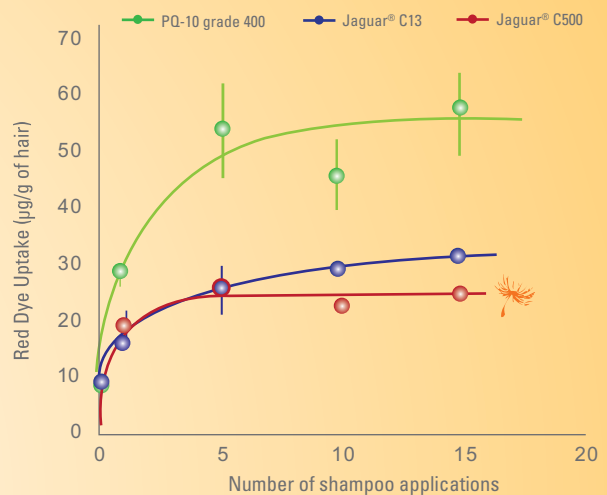
Jaguar® C500 enhances hair volume from the first application and after repeated use.

Jaguar® C500 provides volume and long-lasting body.



Mildly Permed Caucasian Hair. TRI, Princeton (USA)
Shampoo based on SLES (2EO), CAMA with 0.4% polymer.
Measurements carried out in a conditioned room 21°C, 65% RH.

Jaguar® C500 can be used everyday and does not build-up on hair even after multiple applications.



Tested on Virgin Dark Brown Caucasian hair.
Shampoo based on SLES (2EO), CAMA with 0.4% Jaguar® C500.

Jaguar® C500 Combines volume and weightlessness

Jaguar® C500 helps you create sensorial shampooing experiences for consumers.

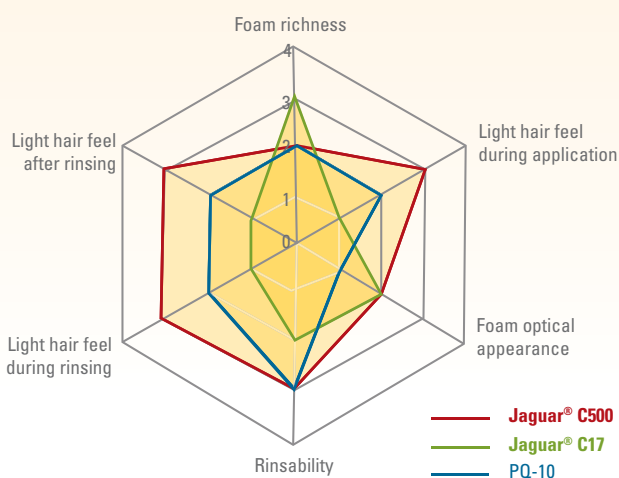
Shampoos with Jaguar® C500 boost hair volume and softness to give hair a fuller and lighter feel.

fine

Sensorial Attributes

Jaguar® C500 sensorial benefits have been demonstrated on Caucasian hair, resulting in a lighter feel during shampoo, rinsing and after shampoo compared to Polyquaternium-10 and other high conditioning polymers.

Scale: 0 very poor; 1 poor; 2 satisfactory; 3 good; 4 very good



Tested on Virgin Dark Brown Caucasian Hair by four trained people. Shampoo based on SLES(2EO), CAMA with 0.4% cationic polymer.




Experience Weightlessness with Jaguar® C500

Of the products in the Jaguar® C range, Jaguar® C500 leaves hair feeling the lightest while maintaining high conditioning performance.

Formulate Light-Feel Pearlized Shampoo with Jaguar® C500.



Deionized Water	qs 100%
Acrylates Copolymer	5
 Jaguar® C500	0.4
Miranol® Ultra C32	6.5
Rhodapex® ESB-3/A2	52
EDTA	0.05
Mirasheen®Star	3
Preservative	qs
Perfume	qs
Citric Acid	qs pH 6.0

Recommended dosage of Jaguar® C500 in Hair Care Formulations:

- ▶ For Medium Care 0.2 - 0.4%
- ▶ For High Care 0.4 - 0.6%

with conditioning benefits and foam enhancement

Jaguar® C500 provides conditioning performance through wet and dry combing, high volume and excellent manageability of hair.

Indeed, **Jaguar® C500** as a guar derivative, offers all the performances of guar's properties and differentiate against PQ-10 on:

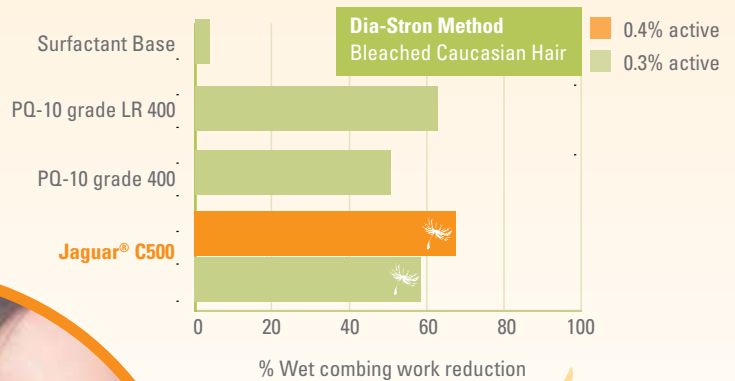
- ▶ Foam richness and texture
- ▶ Wet and dry combability
- ▶ Silicone deposition improvement
- ▶ Rinsability and combined unique sensorial feel on hair
- ▶ Volume
- ▶ Weightless

Find in **Jaguar® C500** a unique ingredient for hair weightless and care properties.



Jaguar® C500 shampoos leave hair easily manageable.

High combability of Jaguar® C500

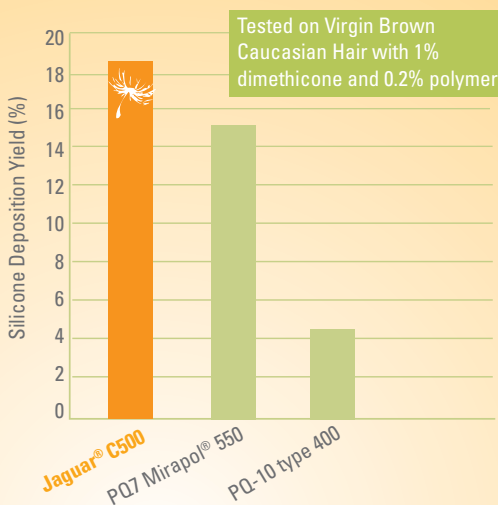


Shampoo based on SLES, CAPB, polymer at 10/2/0.3-0.4

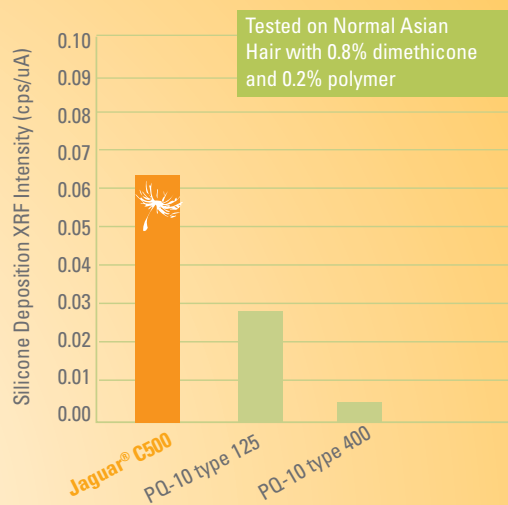


Jaguar® C500 for High-Conditioning Performance

Jaguar® C500 offers better performance in silicone deposition than other light conditioning polymers on Caucasian and Asian hair.



Shampoo based on SLES, CAPB, dimethicone, polymer at 14/2/1/0.2
Method: Silicone extraction by THF and dosage by GPC analysis using an ELSD detector



Shampoo based on SLES, CAPB, dimethicone, polymer at 14/2/0.8/0.2
Method: X-ray fluorescence spectrometry

Jaguar® C500

Deliver high performance at lower cost

Use **Jaguar® C500** in your shampoo to boost volume and provide conditioning performance at lower cost. Thanks to its high conditioning performance, **Jaguar® C500** matches other light conditioning polymer performances at lower cost.



Solvay S.A.
Rue de Ransbeek, 310
1120 Bruxelles
Belgique
T: +32 2 264 2111
F: +32 2 264 3061

North America

Solvay Novecare
8 Cedar Brook Drive
Cranbury, NJ 08512 – USA
Tel: +1-800-973-7873
F: +1-609-860-0463
NovcareCC@solvay.com

Europe

Solvay Novecare
40, rue de la Haie-Coq – F-93306
Aubervilliers Cedex – France
Tel: +33 (0) 1 53 56 50 00
F: +33 (0) 1 53 56 53 90

Asia Pacific

Solvay Asia Pacific Pte. Ltd.
438B Alexandra Road
#02-09/12 Alexandra Technopark – Singapore 119968
Tel: +65 - 6291 1921
F: +65 - 6394 3377

Latin America

Solvay Novecare
Centro Empresarial
Avenida Maria Coelho Aguiar, 215, Bloco B-1º Andar
Cep: 05804-902 – São Paulo-SP Brazil
Tel: +55 11 3747-7637
F: +55 11 3741-8378

www.solvay.com

Material Safety Data Sheets (MSDS) are available by emailing us or contacting your sales representative. Always consult the appropriate MSDS before using any of our products.

Neither Solvay Specialty Polymers nor any of its affiliates makes any warranty, express or implied, including merchantability or fitness for use, or accepts any liability in connection with this product, related information or its use. Some applications of which Solvay's products may be proposed to be used are regulated or restricted by applicable laws and regulations or by national or international standards and in some cases by Solvay's recommendation, including applications of food/feed, water treatment, medical, pharmaceuticals, and personal care. Only products designated as part of the Solviva® family of biomaterials may be considered as candidates for use in implantable medical devices. The user alone must finally determine suitability of any information or products for any contemplated use in compliance with applicable law, the manner of use and whether any patents are infringed. The information and the products are for use by technically skilled persons at their own discretion and risk and does not relate to the use of this product in combination with any other substance or any other process. This is not a license under any patent or other proprietary right.

All trademarks and registered trademarks are property of the companies that comprise the Solvay Group or their respective owners.
© 2012 Solvay Specialty Polymers USA, LLC. All rights reserved.