

SiSiB® PC15380 Functional Silicone

INCI NAME

Quaternium-80 (and) Butylene Glycol (and) Water

INTRODUCTION

SiSiB® PC15380 is a high molecular weight cationic polymer that combines hydrophilicity with surfactant-like properties. In cleansing formulations, it not only avoids foam suppression but also accelerates foaming and increases foam volume.

Its structure includes highly polymerized siloxane segments, which impart excellent smoothness, conditioning, and a degree of wash-off resistance. The cationic nature of the polymer enables strong adsorption to hair, delivering anti-static effects, softness, and manageability without weighing hair down or making it greasy.

In transparent amino acid shampoos, SiSiB® PC15380 significantly enhances hair smoothness during cleansing, as well as wet and dry combability, leaving hair soft, shiny, and reducing frizz, tangling, and static. It improves the overall conditioning performance of the product.

In conditioners and intensive hair care products, it leaves hair feeling silky, light, smooth, and easy to manage, while effectively reducing tangles and coarse texture, especially on dry hair.

Thanks to its unique structure, SiSiB® PC15380 overcomes limitations of traditional conditioning agents, offering superior functionality and results. It is especially suited for use in hair masks, oil treatments, intensive conditioners, and clear shampoos that require enhanced conditioning performance.

ADVANTAGES

- Excellent water dispersibility; stable in any dilution ratio
- Quickly disperses in water or surfactants
- No impact on transparency in clear formulations
- Strong antistatic and conditioning properties
- Improves wet and dry combability without greasy feel
- Leaves hair silky, smooth, soft, and shiny
- Enhances foam stability, speed, and volume in shampoos
- Boosts combability and smoothness in transparent amino acid

SiSiB® PC15380 Functional Silicone

shampoos

PHYSICAL PROPERTIES

Color	Light yellow
Appearance	Transparent to translucent liquid
Viscosity (25°C, cPs)	100-250
Refractive Index n _D ²⁵	1.4050-1.4150
Specific gravity	1.01-1.05
Solid content (%)	30.00-36.00

BENEFITS & APPLICATIONS

SiSiB® PC15380 is widely used in hair care products including shampoos, conditioners, hair masks, styling products, and hair treatment cream.

SiSiB® PC15380 is an effective ingredient in auto and home-care products formulations.

SiSiB® PC15380 can also provide excellent conditioning effects in textile and leather after-treatment applications.

RECOMMENDED DOSAGE

Shampoo	0.3-3.0%
Conditioner	0.5-6.0%

It is recommended to conduct a preliminary test to determine the optimal dosage.

PACKING

SiSiB® PC15380 is available in 25kg plastic drum or 200kg steel drum.

HANDLING

This document does not contain the product safety information required for safe use. Before handling, please refer to the product and safety data sheets, as well as container labels, for information on safe usage, physical hazards, and health risks. Safety Data Sheet is available on the website, from the distributor, or by contacting SiSiB customer service.

STORAGE

When stored at temperatures between 10°C and 35°C in the original unopened containers, SiSiB® PC15380 has a shelf life of 24 months from the date of production.

SiSiB[®] PC15380 Functional Silicone

LIMITATIONS

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

NOTE

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

We specifically disclaim any other express or implied warranty of fitness for a particular purpose or merchantability.

We disclaim liability for any incidental or consequential damages.