



SILTECH CORPORATION
225 Wicksteed Avenue
Toronto, Ontario, Canada, M4H 1G5
(416)424-4567 (Tel) (416)424-3158 (Fax)

TECHNICAL DATA SHEET

Silquat® AC
Silicone Quat

Description

Silquat® AC is a water-soluble silicone cocoamido quaternary compound. The INCI name for this product is Silicone Quaternium-1.

Typical Properties

Appearance	Clear liquid
Colour, Gardner	1
pH 1%	6.5
Solid content %	40
Solvent	Water
Water solubility, 10%	Soluble
Acid Value	4.5
Alkali Value	4

Application & Uses

Silquat AC is a 40% active water-soluble compound that is ideal for providing conditioning, softness and manageability especially in treated hair care applications. **Silquat AC** is recommended for shampoos where mild conditioning is required and is suitable in clear 2-in-1 shampoo formulations. **Silquat AC** will solubilize in most formulations without adversely effecting foaming or detergent performance and will not cause build-up on the hair fibers from repeated use. The presence of an a fatty amido group in Silquat AD provides flexibility in formulating with anionic surfactants.

Silquat AC is also recommended for use in body wash formulations as it imparts a soft, silky after-feel on skin.

Typical use levels are between 0.5-2.0%.

Shelf Life

When stored between 10 and 40°C in the original unopened container, **Silquat AC** has a shelf life of 12 months from the date of manufacture.

Packaging

Silquat AC is supplied in 20kg pails and 200kg drums.

Legal Disclaimer

Siltech Corporation believes that the information in this technical data sheet is an accurate description of the typical uses of the product. Siltech Corporation, however, disclaims any liability for incidental or consequential damages, which may result from the use of the product that are beyond its control. Therefore, it is the user's responsibility to thoroughly test the product in their particular application to determine its performance, efficacy and safety. Nothing contained herein is to be considered as permission or a recommendation to infringe any patent or any other intellectual property right.

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