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TECHNICAL DATA SHEET

SILQUAT[®] Di 30-F4D

INCI : Quaternium 80

DESCRIPTION

Silquat Di 30-F4D is a silicone quaternium compound, haing a Chemical Abstracts Service number of 134737-05-6 and an INCI name Quaternium 80. The chemical name is Siloxanes and Silicones, di-Me, 3-3-(3-coco amidopropyl)dimethylammonio-2-hydroxypropoxypropyl group-terminated, acetates (salts)

Specifications

<u>Property</u>	<u>Specification</u>	<u>Method</u>
Appearance	Clear liquid	SAM-23
Colour, (Gardner)	6 Max	SAM-29
Foreign Matter	Free of	SAM-26
Viscosity@25°C, (cps)	500 – 1,000	SAM-25
Amine Value	15 - 25	SAM-07
Acid Value	10 Max	SAM-01
% Solids (1g / 3hrs@ 105°C)	46 - 50	SAM-42
% Moisture (Karl-Fischer)	1.0 Max	SAM-46
Solubility (5% in DW)	Soluble & Clear	SAM-35

USES AND APPLICATIONS

SILQUAT[®] Di 30-F4D is a silicone quaternium designed to provide conditioning properties to hair. It is ideal additive for clear shampoos where it provides outstanding wet comb properties. Silquat Di 30-F4D also finds application in shower products and baths gels where it provides an outstanding skin feel.

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Silquat Di 30-F4D is easy to incorporate into formulations since it is completely soluble in aqueous surfactants solutions. Recommended usage level is between 1.0 – 3.0 wt% of the formulation.

SAFETY

Before handling, read the Material Safety Data Sheet and container label for safe use, physical and health hazard information

STORAGE AND SHELF LIFE

When stored in the original, unopened containers between 10 and 40⁰C, SILQUAT[®] Di 30-F4D has a shelf life of 24 months from date of shipping.

PACKAGING

SILQUAT[®] Di 30-F4D is available in 20 Kg and 200 Kg containers.

DISCLAIMER

Siltech believes that the information in this technical data sheet is an accurate description of the typical uses of the product. Siltech, 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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