DESCRIPTION
Silquat® Di-30-F4D is a silicone quaternary compound for use as a conditioning and cleansing agent for hair and skin care products. Silquat® Di-30-F4D has the INCI name of Quaternium-80.

TYPICAL PROPERTIES
<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color, Gardner</td>
<td>6 Max</td>
</tr>
<tr>
<td>Appearance (25°C)</td>
<td>Clear Liquid</td>
</tr>
<tr>
<td>Composition</td>
<td>Silicone quaternary compound</td>
</tr>
<tr>
<td>Viscosity (25°C) Cps</td>
<td>500-1000</td>
</tr>
<tr>
<td>Active Content, %</td>
<td>46-50%</td>
</tr>
<tr>
<td>Water solubility 5%</td>
<td>Clear and soluble</td>
</tr>
</tbody>
</table>

USES AND APPLICATION
Silquat® Di-30-F4D is used in the formulation of shampoos, hair rinses, liquid soaps and shower gels. Due to its cationic nature, this product is substantive to hair and skin. It is also compatible with anionic surfactant.

In shampoo formulations, Silquat® Di-30-F4D provides a conditioning, soft, non-greasy, silky feel, improved dry and wet comb, gloss and antistatic properties.

In skin cleansing product formulations, Silquat® Di-30-F4D provides a smooth and silky silicone feel to the skin.

The recommended usage level ranges from 0.2 to 2% by weight.

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

THIS MATERIAL IS NOT FOR MEDICAL OR DRUG USE.

STORAGE AND SHELF LIFE
When stored in the original, unopened containers between 10 and 40°C, Silquat® Di-30-F4D has a shelf life of 36 months from date of manufacture.

PACKAGING
Silquat® Di-30-F4D is available in 20kg and 200kg containers.

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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