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TECHNICAL DATA SHEET

SilPlex[®] JQ-40

Silquat[®] Complex

DESCRIPTION

SilPlex[®] JQ-40 is a unique complex of a silicone quaternary compound and an anionic silicone compound. **Silplex JQ-40** is water soluble, has good compatibility with anionic surfactants and provides outstanding conditioning to hair and skin and softening to textile fibers. These are very mild to the skin and eyes, making their use in baby shampoos an important application.

TYPICAL PROPERTIES

Appearance	Clear Light Yellow Liquid
Colour, Gardner	2
Viscosity, cPs	30
Water solubility (1%)	Soluble
Activity	35% in water

USES AND APPLICATION

Silplex JQ-40 is a water-soluble, alcohol soluble and hydro alcoholic soluble silicone that imparts outstanding hair conditioning especially in 2-in-1 shampoos. It also provides a smooth silky feel to skin and can be used for shaving products.

Silplex JQ-40 is very mild to the skin and eye allowing its use in baby shampoos and other highly sensitive applications.

Silplex JQ-40 is typically used at concentrations ranging from 0.5 - 3.0% by weight.

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 40^oC, **Silplex JQ-40** has a shelf life of 36 months from date of manufacture.

PACKAGING

Silplex JQ-40 is available in 20kg and 200kg plastic 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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