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TECHNICAL BULLETIN

Siltech® C-4400 series
Silicone Gum Dispersions/ Slip Agents

DESCRIPTION

Siltech® C-4405, Siltech C-4435, Siltech C-4445 and Siltech C-4436 are 80% active dispersions of very high molecular weight siloxanes. **Siltech C-4435-65 and Siltech C-4445-65** are 65% active dispersions of very high molecular weight siloxanes. Tin-based catalysts are **not** used in the manufacture of these products.

TYPICAL PROPERTIES

Property	Siltech C-4405	Siltech C-4435	Siltech C-4445	Siltech C4436	Siltech C4435-65	Siltech C-4445-65
Appearance	White, viscous liquid				Translucent to opaque paste	
Viscosity, cps	750,000	500,000	1,400,000	1,000,000	2,500	2,500
Active Content %	80%	80%	80%	100%	65%	65%
Water Solubility	Dispersible					
Diluents	Water					

USES AND APPLICATION

The selected **Siltech C-4400 series product** is used as an additive in water or solvent-based systems for paint and inks and coatings formulations to provide slip, mar resistance, reduction of coefficient of friction, gloss, anti-blocking and release properties. These are especially effective in water-based printing inks, overprint varnishes, wood coatings and leather top coats.

Depending of the application, the amount of **Siltech C-4400 series product** used ranges from 0.05-3.00% weight percent based on the total formulation. Prior to use, the product can be added as supplied or pre-diluted with water.

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, **Siltech C-4400 series products** have a shelf life of 12 months from date of manufacture.

PACKAGING

Siltech C-4400 series products are 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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