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TECHNICAL DATA SHEET
Silmer[®] OHT Di-400
Hydroxyalkyl modified silicone

DESCRIPTION

Silmer[®] OHT Di-400 is a 100% active hydroxyalkyl modified silicone. Each end of the silicone polymer is functionalized with a branched alkyl group with two primary hydroxyl groups, providing four primary hydroxyl groups for reaction and hydrogen bonding.

TYPICAL PROPERTIES

Appearance	Hazy liquid
Viscosity, cPs	2000
Active Content, %	100
Molecular Weight, g/mol	18,000
Equivalent Weight, g/mol	4,500
Solubility, (1% /10%)	
- Water	Insoluble/Insoluble
- IPA	Dispersible/Dispersible
- Mineral Spirits	Insoluble/Insoluble

USES AND APPLICATION

Silmer OHT Di-400 is designed to have limited miscibility with organic formulations causing it to bloom to the surface where it provides slip, mar and stain resistance, as well as release.

Silmer OHT Di-400 has primary OH groups for reaction with isocyanate, epoxy, silane or other condensation cured polymers and films. This provides durable properties.

Silmer OHT Di-400 has shown stain release performance better than that of other silicone products. Because **Silmer OHT Di-400** contains no fluoroalkyl it is without the possible downsides of these materials.

Typical use levels for anti-graffiti properties are 1-5%. For slip properties alone, lower use levels can be used. In this case 0.1% is a good screening point.

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, **Silmer OHT Di-400**, has a shelf life of 36 months from date of manufacture.

PACKAGING

Silmer OHT Di-400 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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