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TECHNICAL DATA SHEET

Silphos® A-100

Silicone Phosphate Ester

DESCRIPTION

Silphos® A-100 is a water-soluble silicone phosphate ester. **Silphos A-100** has the INCI name of Dimethicone PEG-8 Phosphate.

TYPICAL PROPERTIES

Appearance	Clear to slightly hazy liquid
Colour (Gardner)	1
Acid Value	42
Active Content %	100
pH 1%	3

USES AND APPLICATIONS

Silphos A-100 exhibits good foaming, emulsification, detergency and wetting properties. Because of its anionic character, the product has good substantivity. It also helps sequester iron and other metal ions and shows good rust inhibitor properties.

Silphos A-100 provides cleaning and gloss to hard surfaces. It can also be added to shampoos to add conditioning and shine to hair and to other personal care formulations, such as facial cleanser soap, to improve cleaning.

Silphos A-100 is typically added at 0.5 - 3.0% weight percent.

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 between 10 and 40°C in the original unopened container, **Silphos A-100** has a shelf life of 12 months from the date of manufacture.

PACKAGING

Silphos A-100 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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