



SILTECH CORPORATION
225 Wicksteed Avenue
Toronto, Ontario, Canada, M4H 1G5
(416)424-4567 (Tel) (416)424-3158 (Fax)

TECHNICAL DATA SHEET

Silube® Sustain-S
Glucose-modified Aminoalkylsiloxane

DESCRIPTION

Silube® Sustain-S is a versatile sugar-modified aminoalkyl silicone emulsifier dispersed in a natural fully biodegradable carrier. **Silube Sustain-S** has an INCI name of Gluconamido Lauryl Dimethicone (and) Isoamyl Laurate.

TYPICAL PROPERTIES

Appearance	Hazy orange liquid
Viscosity at 25°C, cps	7,500
Water solubility, 1%	Insoluble
Odour	Characteristic

USES AND APPLICATION

Silube Sustain-S is an excellent emulsifier across a wide range of emulsion systems. Lab studies indicate that it can be used to make Water-in-Oil (W/O) and Oil-in-Water (O/W) emulsions as well as Switch Oil Phase (SWOP) systems. Modification of the silicone backbone with alkyl functionality imparts exceptional compatibility with oils. Further modification with amine functionality yields a soft sensorial. The product is unique as it additionally provides improved sustainability, stemming from modification of the silicone backbone with glucose and the usage of a 100% natural and fully biodegradable diluent. **Silube Sustain-S** excels as a co-emulsifier in the most challenging invert emulsions alongside organic esters and magnesium stearate, among other ingredients.

Silube Sustain-S disperses pigments in makeup and sunscreens including foundation formulations reliant on high pigment loadings for heavy coverage. **Silube Sustain-S** has the ability to emulsify inorganic UV filters and is compatible with emulsions of organic UV filters.

Recommended use levels are from 3.0-6.0% by formulation 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, **Silube Sustain-S** has a shelf life of 24 months from date of manufacture.

PACKAGING

Silube Sustain-S is available in 20kg and 200kg plastic 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.

SILUBE® is a registered trademark of Siltech Corporation, Toronto, Ontario, Canada.