

# ADDSiL™ 8316

## Silicone Leveling Agent

### INTRODUCTION

ADDSiL™ 8316 is a polyether-modified polydimethylsiloxane solution. It is a highly effective silicone additive, provides a strong reduction of surface tension, therefore it improves the wetting of critical substrates.

### BENEFITS

- Lower surface tension than ADDSiL™ 8306.
- Excellent substrate wetting.
- Prevented cratering.
- Increased surface slip.

### TYPICAL PHYSICAL PROPERTIES

Color and Appearance	Light yellow clear liquid
Solvent:	Di-isobutyl adipate
Active Ingredient	18%
Flash Point	>100°C
Density <sub>25°C</sub>	0.95~0.99g/ml
Viscosity <sub>25°C</sub>	6~20s (T-4 viscometer)
Recommended Levels	0.01~1.0%

### EFFECTS

Transparency in clear formulation:	★
Defoaming effect:	★★
Dynamic surface tension:	★★★★★
Static surface tension:	★★★★★
Slip effect:	★★★★★
Reduce orange peel effect:	★

### APPLICATION FIELDS

- Solvent-borne coatings.
- UV curing coatings.

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### APPLICATIONS

ADDSiL™ 8316 can be used in pigmented systems to prevent the formation of Bénard cells and improve leveling.

ADDSiL™ 8316 is recommended for polyurethane and epoxy systems.

### RECOMMENDED LEVELS

The recommended dosage is 0.01~1.0% of the total formulations.

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

It is added during any stage of the production process including post-addition.

### PACKING AND STORAGE

ADDSiL™ 8316 is supplied in 25Kg / 200Kg plastic drum or steel drum or according to customer's request.

In the original unopened packaging, ADDSiL™ 8316 has a shelf life of 24 months.

Separation or turbidity may occur at temperatures below 5°C. Warm to 20°C and mix well.

### NOTES

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

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Please send all technical questions concerning quality and product safety to: [support@SiSiB.com](mailto:support@SiSiB.com).