

# 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.

## Effects

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

## PHYSICAL PROPERTIES

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

## BENEFITS

- Reduced surface tension of coating systems.
- Improved substrate wetting.
- Avoids cratering.
- Increased surface slip and gloss.
- Thermostable, can be used for baking system.
- Good recoating and no loss in in adhesion.

## APPLICATIONS

- Solvent based
- UV Curing

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 DOSAGE

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

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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

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

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

### HANDLING

This document does not contain the product safety information required for safe use. Before handling, please refer to the product and safety data sheets, as well as container labels, for information on safe usage, physical hazards, and health risks. Safety Data Sheet is available on the website, from the distributor, or by contacting SiSiB customer service.

### STORAGE

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

### NOTE

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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