

## ADDSiL™ 2141 Mono-Terminated Di-Methacrylate Silicones

### INTRODUCTION

ADDSiL™ 2141 is a mono-terminated polydimethylsiloxane featuring two methacrylate groups. It offers high reactivity and is designed for use in silicone-acrylate emulsions, functional resins, and unsaturated polyester systems. It significantly enhances slip, abrasion resistance, water and oil repellency, antifouling, and anti-graffiti properties.

### FEATURES & BENEFITS

- Highly reactive for copolymerization
- Enhances slip and surface durability
- Imparts hydrophobic and anti-graffiti properties
- Supports resin modification and crosslinking
- Compatible with UV-curable and radical systems

### PHYSICAL PROPERTIES

Color	Colorless
Appearance	Clear liquid
Molecular Weight	4,000
Viscosity (25°C, cP)	50-200
Refractive index (25°C)	1.4130

Note: These values are typical and are not intended for use as specifications.

### APPLICATIONS

- Silicone-acrylate emulsion polymerization
- Functional resin modification
- Unsaturated polyester systems
- UV-curable coatings and inks

### USAGE GUIDELINES

**Silicone-acrylate emulsions:** Pre-emulsify with acrylate monomers and feed gradually during polymerization.

**In coatings and inks:** Add during or after production. For best dispersion, dilute with 3-5 parts of a compatible solvent and disperse under high shear.

#### Recommended dosage:

- 1-10% based on acrylate monomer weight (for emulsion synthesis)
- 1-5% based on total formulation weight (for polyester systems)

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### PACKING

ADDSiL™ 2141 is available in 25Kg pails and 200Kg steel drums.

### 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

When stored at temperatures between 5°C and 35°C in the original unopened containers, ADDSiL™ 2141 has a shelf life of 12 months from the date of production.

### 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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