

ADDSiL™ 2001 Carbinol Silicone Fluid

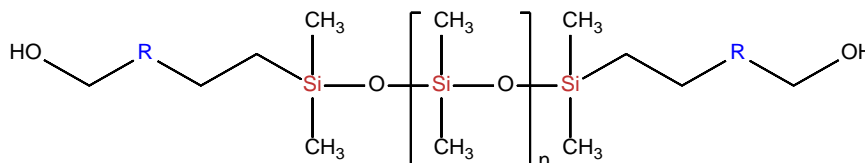
INTRODUCTION

ADDSiL™ 2001 is a carbinol-terminated reactive silicone fluid. The -CH₂OH functional groups exhibit significantly higher reactivity compared to conventional silanol-terminated polydimethylsiloxanes. This enhanced reactivity allows it to effectively incorporate silicone segments into polyurethane, amino resin, or other hydroxyl-reactive systems, improving the final material's flexibility, water resistance, slip, and anti-blocking properties. It also provides long-lasting surface modification by forming a permanent low-surface-energy layer on cured films.

KEY FEATURES & BENEFITS

- High reactivity due to primary hydroxymethyl groups
- Incorporates flexibility and hydrophobicity into polymer networks
- Enhances slip, hand feel, anti-blocking and mar resistance
- Forms a durable low-surface-energy layer
- Compatible with various crosslinking systems (isocyanate, melamine)

CHEMICAL STRUCTURE



PHYSICAL PROPERTIES

Color and Appearance	Colorless clear liquid
Active Content	100%
Hydroxyl Value mg KOH/g	100-120

These values are typical and not intended for use in specifications.

APPLICATIONS

ADDSiL™ 2001 is used in polyurethane and amino resin systems to improve flexibility, hydrophobicity, and surface slip. It enhances anti-blocking and stain resistance in coatings, inks, adhesives, and sealants, and imparts a soft touch and water repellency in textile and leather treatments.

RECOMMENDED DOSAGE

For permanent hand-feel:	0.2-1.0%
For anti-fouling:	2.0-6.0%
For resin modification:	1.0-6.0%

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ADDSiL™ 2001 can be added in any step during production.

PACKING

ADDSiL™ 2001 is supplied in 25Kg pail or 200Kg steel drum.

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™ 2001 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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