

ADDSiL™ 3608 Trisiloxane-Based Silicone Additive

INTRODUCTION

ADDSiL™ 3608 is a trisiloxane-based silicone additive designed to enhance wetting, flow, leveling, and gloss in both waterborne and solventborne coatings and inks. Its unique structure allows it to significantly reduce surface tension, promoting uniform application and improved surface appearance, even on challenging substrates.

KEY FEATURES & BENEFITS

- Low surface tension
- Excellent wetting properties for difficult-to-wet substrates
- Enhances flow and leveling characteristics
- Improves gloss and surface smoothness
- Reduces surface defects in cured coatings
- Effective at low usage levels
- Compatible with a variety of coating systems

PHYSICAL PROPERTIES

CAS No.	67674-67-3
Pour Point (°C)	-8
Flash Point (°C)	118
Color and Appearance	Colorless to straw liquid
Surface Tension (0.1%, mN/m)	<21.0
Density (25°C, g/cm ³)	1.01-1.03
Viscosity (25°C, cSt)	30-50

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

APPLICATIONS

ADDSiL™ 3608 is a versatile silicone additive used across a wide range of coating systems. It significantly reduces aqueous surface tension, enhancing substrate wetting in water-based coatings and inks.

In solvent-based formulations, ADDSiL™ 3608 acts as an effective flow and leveling agent, improving surface uniformity and gloss. Its alcohol-functional polyether side chain also enables potential chemical integration into the coating matrix, contributing to long-term film integrity.

ADDSiL™ 3608 is well-suited for use in waterborne and solventborne coatings and inks, radiation-curable (UV/EB) systems, high-gloss finishes,

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as well as industrial and architectural applications.

RECOMMENDED DOSAGE

The recommended dosage is 0.1% - 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.

PACKING

ADDSiL™ 3608 is supplied in 25Kg/Pail or 200Kg steel drum or according to customer's request.

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 10°C and 35°C in the original unopened containers, ADDSiL™ 3608 has a shelf life of 24 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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