

# POWSIL™-59254 Polyether Terminated Silicone Fluid

## INTRODUCTION

POWSIL™-59254 is a polyether terminated silicone fluid. It is used as a reactive intermediate for further chemical modification such as reactions with isocyanates, esterification, or transesterification.

## FEATURES & BENEFITS

- Polyether-terminated silicone structure offering both hydrophilicity and flexibility
- Excellent compatibility with polar systems and organic polymers
- Enhances smoothness, softness, and wetting in formulations
- Reactive functionality enables use as a silicone intermediate

## PHYSICAL PROPERTIES

Appearance	Colorless to yellowish clear liquid
Nonvolatile Content (%)	Min. 97.0
Functional group	Polyether
Hydroxyl Value (mg KOH/g)	37.0-40.0
D4 content (ppm)	Max. 250
D5 content (ppm)	Max. 1000
D6 content (ppm)	Max. 1000

*These values are typical and should not be used as product specifications.*

## APPLICATIONS

POWSIL™-59254 can be used as a reactive intermediate for polyurethane modification, esterification, and other synthesis reactions.

POWSIL™-59254 also functions effectively as an additive in polyurethane coatings, synthetic leather, and flexible resin formulations, providing enhanced softness, flexibility, and surface smoothness.

In addition, POWSIL™-59254 can serve as a plasticizer or softener in polymer systems and as a compatibility and flow-improving additive in coating and ink applications.

## APPLICATION GUIDE

Optimal levels are determined through a series of laboratory tests.

## PACKING

POWSIL™-59254 is available in 120Kg drum

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### STORAGE

In the unopened original container POWSIL™-59254 has a shelf life of one year in a dry and cool place.

### 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.

### 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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