

## SILSOURCE™ OH Fluids

SILANOL TERMINATED POLYMETHYLDISILOXANE (OH Fluids)

### PRODUCT DESCRIPTION

OH Polymers are a series of silanol functional fluids with various viscosities and silanol contents. They are useful in the treatment of fillers and as Anti-Structuring additives in high consistency silicone rubber and silicone Room Temperature Vulcanizing (RTV) formulations.

### TYPICAL PRODUCT DATA\*

Property	Unit	Typical Value
CAS\$	-	70131-67-8
Viscosity	cSt	Various
Formula	-	SiOH
Appearance	-	Colorless clear to slightly hazy liquid
Purity	%	>98%
Flash Point	°C	110
OH Content	%	Various
Density	g/cm <sup>3</sup>	0.980
Refractive Index	-	1.4045

\*These values are not intended to be used as specifications but as suggested characteristics

### PACKAGING

The size of the available packages can be checked with Sales Department. OH Fluid is typically supplied in 200kg steel drums and 1000kg IBC totes.

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ SAFETY DATA SHEET AND CONTAINER LABELS FOR SAFE USE, PHYSICAL, ENVIRONMENTAL, AND HEALTH HAZARD INFORMATION.

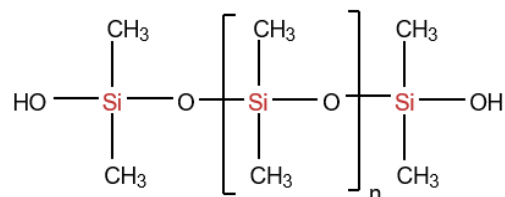
**LIMITATIONS:** Not intended for human injection. This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

**Limited Warranty:** Silsource Inc. warrants to Buyer that for a period of 12 months from the date of manufacture of the products, such products will materially conform to Silsource Inc.'s specifications in effect as of the date of manufacture. This warranty does not apply where the products have (a) been subjected to abuse, misuse, neglect, negligence, accident, improper testing, improper installation, improper storage, improper handling, abnormal physical stress, abnormal environmental conditions, or use contrary to any instructions issued by Silsource Inc.; (b) been reconstructed, repaired, or altered by persons other than Silsource Inc. or its authorized representatives; or (c) been used with any third-party product or hardware that has not been previously approved in writing by Silsource Inc. Buyer's exclusive remedy for breach of the limited warranty shall be a refund of the purchase price or replacement of the product, at Silsource Inc.'s sole discretion.

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## TECHNICAL DATA SHEET



### TYPICAL FEATURES AND APPLICATIONS

The low viscosity grades can be used as reactive diluents for high viscosity polymers to adjust the overall viscosity of the formulation. They have excellent stability and can be used with catalytic amounts of ammonium carbonate to treat reinforcing fillers in-situ. OH products are pure and do not contain any plasticizers or additives. Curing of the OH series can be achieved by all usual condensation crosslinkers (i.e. alkoxy silanes, oxime silanes, acetoxy silanes) in conjunction with catalysts—the use of dibutyl tin dilaurate or stannous octoate have been found effective as catalysts for these reaction.

### PRODUCT NAME

SILSOURCE™ OH 40	Low viscosity 3.5% silanol fl, 40 cSt
SILSOURCE™ OH 70	Low viscosity 1.25% silanol fl, 70 cSt
SILSOURCE™ OH 750	Silanol terminated 750 cps.
SILSOURCE™ OH 1,000	Silanol terminated 1,000 cps.
SILSOURCE™ OH 2,000	Silanol terminated 2,000 cps.
SILSOURCE™ OH 3,500	Silanol terminated 3,500 cps.
SILSOURCE™ OH 4,000	Silanol terminated 4,000 cps.
SILSOURCE™ OH 6,000	Silanol terminated 6,000 cps.
SILSOURCE™ OH 14,000	Silanol terminated 14,000 cps.
SILSOURCE™ OH 20,000	Silanol terminated 20,000 cps.
SILSOURCE™ OH 50,000	Silanol terminated 50,000 cps.
SILSOURCE™ OH 80,000	Silanol terminated 80,000 cps.
SILSOURCE™ OH 300,000	Silanol terminated 300,000 cps.

### SHELF LIFE AND STORAGE

In the unopened original container OH Fluid has a minimum shelf life of 12 months in a dry and cool place. OH Fluids must not be in contact or mixed with strong bases or alkali such as sodium hydroxide and potassium hydroxide to prevent the material from gelling or polymerizing. Mixing vessel and processing equipment must be clean and free of any strong basic contaminants.