

## SILSOURCE™ SS-8255-400-3

DIMETHYL-DIPHENYLPOLYSILOXANE

### PRODUCT DESCRIPTION

Dimethyl-diphenylpolysiloxane is a type of organosilicon compound that consists of a polysiloxane backbone (silicon-oxygen bonds) with alternating dimethyl and diphenyl groups attached to the silicon atoms.

### TYPICAL PRODUCT DATA\*

Property	Unit	Typical Value
CAS#	-	68083-14-7
Molecular Weight	g/mol	302.61
Formula		C <sub>16</sub> H <sub>22</sub> O <sub>2</sub> Si <sub>2</sub>
Appearance	-	Colorless clear liquid
Boiling Point	°C	140
Viscosity	cSt	360-400
Refractive Index	-	1.491
Transmittance	%	95-110
Purity	%	≥99%

\* 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.

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.

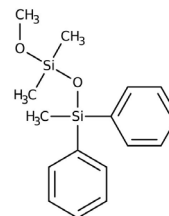
**LIMITATIONS:** Not intended for human injection. This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

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## TECHNICAL DATA SHEET



### TYPICAL FEATURES AND APPLICATIONS

SS-8255-400-3 combination imparts unique properties to the material, such as improved thermal stability, lubricity, and flexibility. It is commonly used as a silicone Fluids in various industrial and consumer applications, particularly in high-performance lubricants and formulations requiring low volatility and high chemical stability.

### INFORMATION FOR USE

SS-8255-400-3 is used in high temperature open systems, closed systems and circulating, closed loop and heat transfer baths. It is used as a high temperature fluid for laboratory research apparatus and instruments. It is also used as a calibration media in temperature controlled baths.

### SHELF LIFE AND STORAGE

In the unopened original container SS-8255-400-3 has a shelf life of one year in a dry, cool and ventilated place.