

SILSOURCE™ Silicone Fluids

POLYDIMETHYLSILOXANE (PDMS fluids)

PRODUCT DESCRIPTION

Polydimethylsiloxane (PDMS) is silicone fluids with various viscosities and of excellent purity. It is characterized by its excellent thermal stability, chemical inertness, and hydrophobicity. It is particularly suited for applications requiring low surface tension and easy spreadability.

TYPICAL PRODUCT DATA*

Property	Unit	Typical Value
CAS\$	-	63148-62-9
Viscosity	cSt	Various
Formula	-	(C ₂ H ₆ O ₂ Si) _n
Appearance	-	Colorless clear liquid
Purity	%	>99%
Flash Point	°C	>270
Surface Tension	mN/m	21
Density	g/cm ³	0.970
Refractive Index	-	1.403

* 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. Silicone 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.

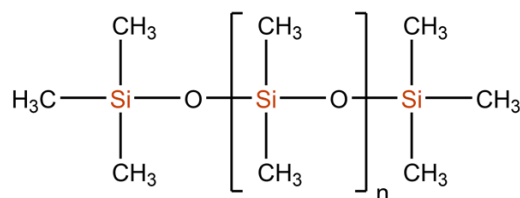
LIMITATIONS: Not intended for human injection. This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

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

Silicone fluids are useful due to their thermal stability or resistance to change with changes in temperature. The fluids are completely soluble in all viscosities of dimethyl polysiloxane fluids and are heat stable and resistant to oxidation. They are inert, noncorrosive, nontoxic, clear and colorless. It widely used in various industrial and consumer applications requiring a balance of spreadability and viscosity.

PRODUCT NAME

SILSOURCE™ SDF-3.5	3.5 cSt
SILSOURCE™ SDF-5	5 cSt
SILSOURCE™ SDF-10	10 cSt
SILSOURCE™ SDF-50	50 cSt
SILSOURCE™ SD-100	100 cSt
SILSOURCE™ SDF-200	200 cSt
SILSOURCE™ SDF-350	350 cSt
SILSOURCE™ SDF-500	500 cSt
SILSOURCE™ SDF-1,000	1,000 cSt
SILSOURCE™ SDF-5,000	5,000 cSt
SILSOURCE™ SDF-10,000	10,000 cSt
SILSOURCE™ SDF-12,500	12,500 cSt
SILSOURCE™ SDF-30,000	30,000 cSt
SILSOURCE™ SDF-60,000	60,000 cSt
SILSOURCE™ SDF-100,000	100,000 cSt
SILSOURCE™ SDF-600,000	600,000 cps

SHELF LIFE AND STORAGE

In the unopened original container Silicone Fluid has a minimum shelf life of 12 months in a dry and cool place.