

## High Purity Silicone Oil

### Polydimethylsiloxane 50 cSt.

#### Description

SOL-50, High purity silicone oil lubricant is an environmentally safe engineered product with a wide range of applications ranging from personal care to automotive, and electronics. As an EPA VOC exempt, California Air Resource Board (CARB) compliant, non-ozone depleting, RoHS compliant solution, it can be used neat, or in product formulations.

#### Product Equivalency

Dow-Corning® 200 Fluid 50 cSt  
 Xiameter® PMX-200 50  
 GE SF96-50  
 Wacker® AK 50  
 Shinetsu DM-Fluid-50cs

#### Applications

Transformer fluid  
 Personal care additive  
 Sporting equipment lubricant  
 Power tool lubrication  
 Release and defoaming agent  
 Paints and coatings

#### Properties

Non Flammable  
 No odor  
 Inert to all o-rings and gaskets  
 High and low temp stability  
 Tasteless  
 Non Toxic  
 Ultra High Purity

#### Polydimethylsiloxane

##### CAS #: 63148-62-9

Appearance	Crystal clear, colorless liquid
Purity, wt. % min.	99.9
Viscosity at 25°C, cSt	47.5-52.5
Water, wt. %	max. 0.03
Molecular weight	134.17
Boiling point at 760 mm Hg, °C (°F)	203.6 (398.5)
Flash Point Open Cup, °C (°F)	318 (605)
Surface Tension at 25°C (77°F) dynes/cm	20.8
Specific gravity at 25°C	0.969
Freezing point, °C (°F)	-76 (-105)
Refractive Index at 25°C (77°F)	1.4034
Dielectric Strength at 25°C (77°F) volts/mil	400
Coefficient of expansion per °C at 20°C	0.00090
Volume Resistivity at 25°C (77°F) ohm-cm	1.0x10 <sup>15</sup>



**Disclaimer:** The information listed above is based on data available in the literature and laboratory test results; and it is true to the best of our knowledge. User of this product is responsible for any application related damages to the substrate it is applied, due to the usage of this product and manufacturer of this material accepts no liability implied or warranted, regarding the safety, disposal or usage of this product. Please refer to the Material Safety Data Sheet (MSDS) for additional safety information before using this product.