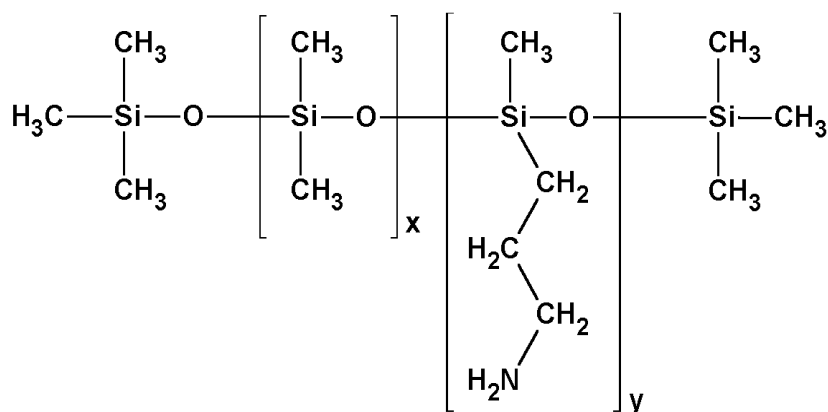




## Product Information

### GP-581 SILICONE FLUID

GeneSee Polymers' *GP-581 SILICONE FLUID* is an amine functional silicone polymer with the following structure where  $x = 118.5$  and  $y = 11$ :



The amine-alkyl functionality of *GP-581 SILICONE FLUID* provides a versatile reaction site for the synthesis of a wide variety of silicone - organic copolymers, which may be tailored for use in textiles, coatings, car polishes and many other applications. The presence of polar amine groups also gives greater affinity to many substrates, suggesting uses of *GP-581* in lubricant, coating and mold release formulations.

*GP-581 SILICONE FLUID* is compatible with dimethyl silicone fluids and with aliphatic, aromatic and chlorinated hydrocarbon solvents.

**INNOVATIVE POLYMER TECHNOLOGY**

<b>TYPICAL PROPERTIES</b>	
<b>Appearance</b>	<b>Clear to Hazy, Colorless to Light Straw Liquid</b>
<b>Weight/Gallon</b>	<b>8.0 lbs.</b>
<b>Viscosity, 25° C</b>	<b>450 cSt</b>
<b>Flash Point (P.M.C.C.)</b>	<b>&gt;200° F</b>
<b>Specific Gravity</b>	<b>0.98</b>
<b>% Active</b>	<b>100%</b>
<b>Amine Number*</b>	<b>110</b>

\*Number of mls. 0.1 N HCl needed to neutralize 10.0 gms. of *GP-581*

<b>APPLICATIONS</b>
<p><b>Silicone - Organic Copolymer Synthesis</b></p> <p><b>Rubber and Plastic Mold Release</b></p> <p><b>Internal Mold Release</b></p> <p><b>Detergent Resistant Car Polishes</b></p>

<b>SPECIAL FEATURES</b>
<p><b>High Amine-Alkyl Content</b></p> <p><b>Stable Indefinitely in Closed Containers</b></p> <p><b>Good Heat Stability</b></p>



## PROCESSING AND SAFETY GUIDELINES

Genesee Polymers' *GP-581 SILICONE FLUID* is an alkaline material because of its amine content. Care should be exercised in handling to prevent contact with skin or eyes. Wear safety glasses with side shields and rubber gloves when handling. Consult Safety Data Sheet for additional details.

## PACKAGING/HANDLING/STORAGE

*GP-581 SILICONE FLUID* is supplied in 5-gallon (40 lbs.) pails, 55-gallon (440 lbs.) drums and 330-gallon (2640 lbs.) totes.

Moisture Sensitive. Keep container tightly sealed. Store below 100° F. Do not weld or cut drum, even when empty.



[www.gpcsilicones.com](http://www.gpcsilicones.com)

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