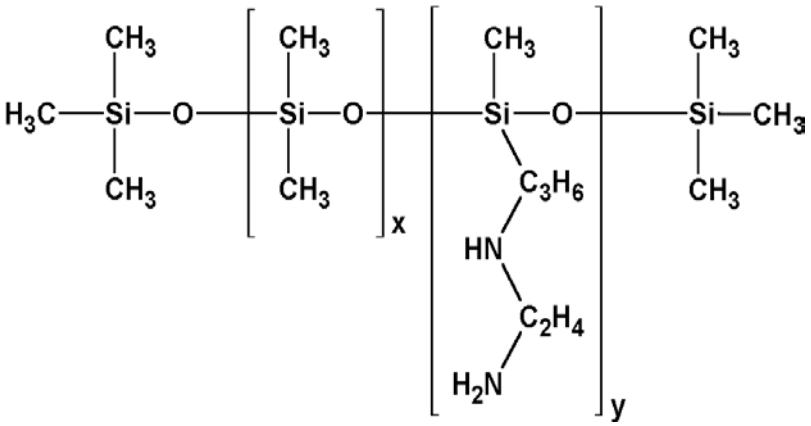
GENESEE POLYMERS CORPORATION

# Product Information

## GP-997 SILICONE FLUID

Genesee Polymers' *GP-997 SILICONE FLUID* is an amine functional silicone polymer with the following structure where the siloxane units are randomly arranged: x = 400 and y = 3.4:




The amine-alkyl functionality of *GP-997 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-997* in lubricant, coating and mold release formulations.

*GP-997 SILICONE FLUID* is compatible with dimethyl silicone fluids and with aliphatic, aromatic and chlorinated hydrocarbon solvents.

| TYPICAL PROPERTIES | |
|---|---|
| **Appearance** | **Clear to Hazy, Colorless to Straw Liquid** |
| **Weight/Gallon** | **8.0 lbs.** |
| **Molecular Weight** | **30,000 (Calculated)** |
| **Viscosity** | **2000 cP** |
| **Flash Point (P.M.C.C.)** | **>300° F** |
| **Refractive Index** | **1.4086** |
| **Specific Gravity** | **0.98** |
| **% Active** | **100%** |
| **Amine Number*** | **24** |

***Number of mls. 0.1 N HCl needed to neutralize 10.0 gms. of *GP-997***

| APPLICATIONS |
|---|
| **Silicone - Organic Copolymer Synthesis** |
| **Rubber and Plastic Mold Release** |
| **Internal Mold Release** |
| **Detergent Resistant Car Polishes** |

| SPECIAL FEATURES |
|---|
| **High Amine-Alkyl Content** |
| **Stable Indefinitely in Closed Containers** |
| **Good Heat Stability** |

## PROCESSING AND SAFETY GUIDELINES

**Genesee Polymers' *GP-997 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. When used in spray applications, avoid breathing vapors. Consult Safety Data Sheet for additional details.**

## PACKAGING/HANDLING/STORAGE

***GP-997 SILICONE FLUID* is supplied in 5-gallon (40 lbs.) pails, 55-gallon (440 lbs.) drums and 330-gallon (2640 lbs.) totes.**

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**www.gpcsilicones.com**