



Product Information

GP-871 SILICONE FLUID

Genesee Polymers' *GP-871 SILICONE FLUID* is a 100% active release agent concentrate, which is designed to be diluted with an equal amount of dimethyl silicone fluid prior to use.

Following mixing with dimethyl silicone fluid, the resulting product may be used to provide efficient release of urethane and epoxy molded parts as well as elastomeric products.

TYPICAL PROPERTIES	
Appearance	Clear, Colorless to Light Straw Liquid
Weight/Gallon	8.0 lbs.
Viscosity	400 cP
Flash Point (P.M.C.C.)	>300° F
Specific Gravity	0.97
Refractive Index	1.4095
Functionality	Aminealkyl, Methoxy
Amine No.	13.3

APPLICATIONS
Rubber Molding Plastic Molding
Urethane Molding Textile Lubricants
Epoxy Release

INNOVATIVE POLYMER TECHNOLOGY

SPECIAL FEATURES
Multiple Releases
Concentrated Product

PROCESSING AND SAFETY GUIDELINES

GP-871 SILICONE FLUID is intended to be mixed with an equal amount of dimethyl silicone fluid (350 cSt.) prior to use. A small test batch should be made first with the specific lot of dimethyl silicone fluid to insure compatibility. Aging the sample at 140°F for three days in sealed containers and verifying that no gel or haze has developed is recommended before proceeding. Handling and mixing involving ***GP-871*** should be done under a nitrogen atmosphere to prevent degradation from moisture or air contact.

For optimum efficiency, mixtures of ***GP-871 SILICONE FLUID*** and dimethyl fluid should be diluted with solvent prior to application to molds. This helps insure that over application of release agent is avoided. Dilution solvents include aliphatic, aromatic and chlorinated solvents (water-free). Recommended application methods include brushing, swabbing, spraying, and dipping.

The silicone polymer used to formulate ***GP-871*** can, as with many release agents, cause painting and adhesion problems if over applied, or if not properly cleaned from molded parts prior to finishing operations. If preliminary tests show that finishing problems may result from the use of ***GP-871***, wash parts with solvent or detergent and rinse with clean water before painting or adhesive bonding.

PACKAGING/HANDLING/STORAGE

GP-871 SILICONE FLUID is supplied in 5-gallon (40 lbs.) pails, 55-gallon (440 lbs.) drums and 330-gallon (2640 lbs.) totes. To insure stability, containers must be kept tightly sealed when not in use. Moisture Sensitive. ***GP-871*** reacts with moisture. When product is transferred from its original container, be sure it is kept free from water.



www.gpcsilicones.com

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