

Galden®



**SOLVAY**

asking more from chemistry®

# Galden® SV Fluids

CFC-free Solvents for Safer Operations

**SPECIALTY  
POLYMERS**

## Features and Benefits

Galden® SV solvent fluids are low molecular weight Perfluoropolyethers (PFPEs) which exhibit a wide range of boiling points from 55 °C to 135 °C, and they are:

- Safe
- Non flammable
- Non toxic

Therefore, they can be used for cleaning operations where solvents are:

- Applied to hot components
- Heated prior to application
- Pressure sprayed onto components

Galden® SV fluids have Zero Ozone Depletion Potential (Zero ODP): they do not contain Chlorofluorocarbons (CFCs) chlorine, bromine and iodine. They do not require particular safeguard precautions or use-restrictions and they are fully compatible with all metals, a wide variety of rubbers and commercially available elastomers and plastics.

Galden® SV fluids are formulated to be compatible and fully miscible with PFPE oils and greases. They are fully miscible with Perfluorocarbon (PFC) fluids and with Chlorotrifluoroethylene (CTFE) oils above 45 °C.

## Applications

Whether alone or in conjunction with other solvents, Galden® SV fluids perform well in many electronic and semiconductor cleaning functions, such as:

- Pump cleaning
- Degreasing
- Vapor blanketing
- Improving flash point
- Eliminating traces

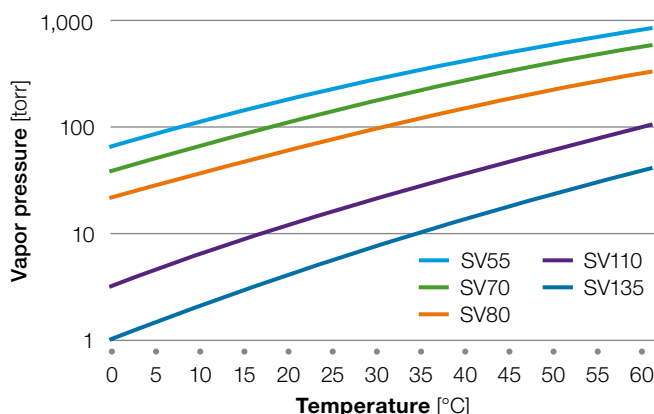
They are the recommended solvent/carrier for the wide range of Solvay Specialty Polymers PFPE fluids and lubricant marketed under the Fomblin® trademark.

## Typical Properties

(not for specification purpose)

Properties	Units	SV55	SV70	SV80	SV110	SV135
Boiling point	°C	55	70	80	110	135
Density	g/cm <sup>3</sup>	1.65	1.68	1.68	1.71	1.72
Surface tension	Dyne/cm	14	14	16	16	17
Kinematic viscosity at 25 °C	cSt	0.45	0.50	0.57	0.77	1.00
Heat of vaporization at boiling point	cal/g	22	17	17	16	16
Vapor pressure at 20 °C	torr	228	141	62	17	8
Solubility of water	ppm	<10	<10	<10	<10	<10
Flash point	°C	None	None	None	None	None
Fire point	°C	None	None	None	None	None
Autoignition temperature	°C	None	None	None	None	None
ODP	-	0	0	0	0	0

## Vapor pressure vs. temperature



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