

# CVC 4 - Silicone Diffusion Pump Fluid

**Tetramethyltetraphenyl trisiloxane rich fluid for producing high vacuums in the range  $10^{-8}$  Torr. Exhibits excellent chemical, oxidation, thermal, hydrolysis and radiation resistance. Extremely low back streaming properties**

## Features:

- Good resistance to high temperature breakdown
- Ultra high vacuum performance
- Extremely low back streaming properties
- Rapid pump down
- Safer to use than hydrocarbon diffusion pump fluids

## Pack sizes:

500cc, 1kg, 5kg, 20kg

Further technical information is available upon request.

## Typical characteristics:

Specific Gravity $\text{gcm}^{-3}$ @ 25°C	1.07
Viscosity cSt @ 25°C	40 typical
Flash Point Open Cup °C	>210
Boiling Point (under vacuum) °C	230 typical
Ultimate Pressure Torr	$10^{-8}$ - $10^{-9}$

## Applications:

For particularly tough rugged applications requiring rapid pump down :-

- Vapour deposition of thin films by sputtering or evaporation, electron beam operations and high vacuum furnaces, melting, degassing and sintering, refractory metals and thick film deposition.
- Also suitable for all aspects of vacuum coating such as optics and automotive components
- UHV characteristics particularly useful for thin film, surface technology, thermonuclear and plasma physics applications



**GBR**

GBR TECHNOLOGY LIMITED

## GBR Technology Ltd

Units 6-8, Jupiter House, Calleva Park,  
Aldermaston, Reading, Berkshire,  
RG7 8NN, United Kingdom  
Telephone: +44 (0)118 982 0567  
Fax: +44 (0)118 982 0590  
Email: [info@gbritech.co.uk](mailto:info@gbritech.co.uk)  
[www.gbritech.co.uk](http://www.gbritech.co.uk)

