

# 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



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