

'DOCK/ CHEMICALS

SEMICONDUCTORS DECISION



Silicon precursor for CVD

'MO-CVD

BP: 57.6°C/135.7 °F/1013 hPa

'SiCl₄ - SILICONTETRACHLORIDE

PRODUCT DATASHEET

SiCl₄-SILICONTETRACHLORIDE

IDENTIFICATION

CAS-No:	10026-04-7
EC-No:	233-054-0
Other name:	Tetrachlorsilane

MO-CVD

PHYSICAL PROPERTIES

Vapor pressure equat.:	259 hPa @ 20 °C
Density:	1,48 g/mL @ 25 °C
Molweight:	169.89 g/mol
Melting point:	-68,7 °C / 91,7 °F
Boiling point:	57,6 °C / 135,7° F @ 1013 hPa

CHEMICAL PROPERTIES

Stability:	Stable under inert gas
State of matter:	Liquid

SAFETY & TRANSPORT

Toxicity:	Toxic by inhalation, corrosive
Explosion limit Vol%:	No data available
Auto ignition temp. °C:	No data available
ADR/RID	
ADR/RID-class:	8
UN-no:	1818
IMDG	
IMDG -class:	8
UN-no:	1818
ICAO/IATA	
ICAO/IATA-class:	8
UN-no:	1818 – AIR FREIGHT FORBIDDEN

For further details please refer to Safety Data Sheet (SDS)

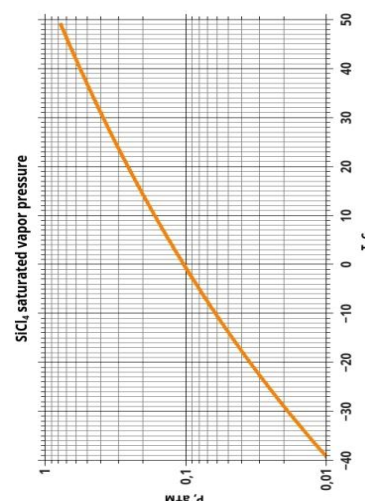
PACKAGING & STANDARD FILLING VOLUMES

SiCl₄.100.DOCK/10.150	100g / 150ccm cyl.
SiCl₄.500.DOCK/10.400	500g / 400ccm cyl.
SiCl₄.800.DOCK/10.600	800g / 600ccm cyl.
SiCl₄.1300.DOCK/10.1000	1300g / 1000ccm cyl.
SiCl₄.4000.DOCK/10.3000	4000g / 3000ccm cyl.

QUALITY STANDARDS

EG Electronic Grade

VAPOR PRESSURE CURVE



APPLICATION

Si precursor fo CVD

**DOCK/
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PRODUCT DATASHEET

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