

'DOCK/ CHEMICALS

SEMICONDUCTORS DECISION

GeCl₄

Germanium tetrachloride precursor for CVD

'MO-CVD

BP: 83 °C/181 °F

'GeCl₄-GERMANIUMTETRACHLORIDE

PRODUCT DATASHEET

'GeCl₄-GERMANIUMTETRACHLORIDE

IDENTIFICATION

CAS-No: 10038-98-8
EINECS/ELINCS-No: 233-116-7
Other name:

'MO-CVD

PHYSICAL PROPERTIES

Vapor pressure: 101 mbar at 20 °C
Density: 1.84 g/cm³
Molweight: 214.42 g/mol
Melting point: -49 °C/-56 °F
Boiling point: 83 °C/181 °F

CHEMICAL PROPERTIES

Stability: Stable under recommended storage conditions
State of matter: Liquid

SAFETY & TRANSPORT

Toxicity: Toxic by inhalation
Explosion limit Vol%: n.a.
Auto ignition temp.: n.a.
ADR/RID
ADR/RID-class: 6.1
UN-no: 3390
IMDG
IMDG -class: 6.1
UN-no: 3390
ICAO/IATA
ICAO/IATA-class: 6.1
UN-no: 3390 – AIRFREIGHT FORBIDDEN

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

PACKAGING & STANDARD FILLING VOLUMES

GeCl₄.100.DOCK/10.150 100g / 150ccm cyl.
GeCl₄.250.DOCK/10.150 250g / 150ccm cyl.
GeCl₄.650.DOCK/10.400 650g / 400ccm cyl.
GeCl₄.1650.DOCK/10.1000 1650g / 1000ccm cyl.
GeCl₄.4950.DOCK/10.3000 4950g / 3000ccm cyl.
GeCl₄.6500.DOCK/10.3950 6500g / 3950ccm cyl.

QUALITY STANDARDS

EG Electronic Grade

VAPOR PRESSURE CURVE

n.a.

APPLICATION

CVD of Germanium containing material systems

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