

# 'DOCK/ CHEMICALS

SEMICONDUCTORS DECISION



Hafnium precursor for CVD and ALD processes

'MO-CVD

BP: 79 °C/174 °F/0.1 Torr

'TEMAHf - TETRAKIS-ETHYLMETHYLAMIDO-HAFNIUM

PRODUCT DATASHEET

# TEMAHf - TETRAKIS-ETHYLMETHYLAMIDO-HAFNIUM

## IDENTIFICATION

**CAS-No:** 352535-01-4  
**EINECS/ELINCS-No:** n.r.

MO-CVD

## PHYSICAL PROPERTIES

**Vapor pressure:** 0.05 Torr at 75 °C, 0.27 Torr at 95 °C  
**Density :** 1.324 g/cm<sup>3</sup>  
**Molweight:** 410.90 g/mol  
**Melting point:** < -50 °C  
**Boiling point:** 79 °C / 174 °F at 0.1 Torr

## QUALITY STANDARDS

**EG Electronic Grade**

## VAPOR PRESSURE CURVE

n.a.

## CHEMICAL PROPERTIES

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

## SAFETY & TRANSPORT

**Toxicity:** n.a.  
**Explosion limit Vol%:** n.a.  
**Auto ignition temp. °C:** n.a.  
ADR/RID  
**ADR/RID-class:** 4.3, PG II  
**UN-no:** 3399  
IMDG  
**IMDG -class:** 4.3, PG II  
**UN-no:** 3399  
ICAO/IATA  
**ICAO/IATA-class:** 4.3, PG II  
**UN-no:** 3399 – AIR FREIGHT ALLOWED

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

## APPLICATION

Hafnium precursor for CVD and ALD processes

## PACKAGING & STANDARD FILLING VOLUMES

**TEMAHf.100.DOCK/10.150** 100g / 150ccm cyl.  
**TEMAHf.175.DOCK/10.150** 175g / 150ccm cyl.  
**TEMAHf.450.DOCK/10.400** 450g / 400ccm cyl.  
**TEMAHf.700.DOCK/10.600** 700g / 600ccm cyl.  
**TEMAHf.1100.DOCK/10.1000** 1100g / 1000ccm cyl.

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