

TRIS(DIMETHYLAMIDO)(CYCLOPENTADIENYL)HAFNIUM

# TDMACpHf

 **Product description**

**Name:** TRIS(DIMETHYLAMIDO)(CYCLOPENTADIENYL)HAFNIUM  
**CAS-Number:** 941596-80-1

**Application:** ALD and CVD precursor

**Element:** Hf

# TRIS(DIMETHYLAMIDO)(CYCLOPENTADIENYL)HAFNIUM

## TDMACpHf

### Physical Properties

|                        |                        |
|------------------------|------------------------|
| Vapor pressure equat.: | n.a.                   |
| Density:               | 1.56 g/cm <sup>3</sup> |
| Molweight:             | 375.81 g/mol           |
| Melting point:         | n.a.                   |
| Boiling point:         | n.a.                   |
| Sublimation point:     |                        |

### Chemical Properties

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

### Safety & Transport

|                        |                           |
|------------------------|---------------------------|
| Toxicity:              | n.a.                      |
| Thermal decomposition: |                           |
| ADR/RID-class:         | 4.3                       |
| UN-no:                 | 3398                      |
| IMDG-class:            | 4,3                       |
| UN-no:                 | 3398                      |
| ICAO/IATA-class:       | 4,3                       |
| UN-no:                 | 3398 - AIR FRIGHT ALLOWED |

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

### Packaging & Standard Filling Volumes

|                            |                     |
|----------------------------|---------------------|
| TDMACpHf.100.DOCK/10.150   | 100g / 150ccm cyl.  |
| TDMACpHf.200.DOCK/10.400   | 200g / 400ccm cyl.  |
| TDMACpHf.500.DOCK/10.600   | 500g / 600ccm cyl.  |
| TDMACpHf.900.DOCK/10.1000  | 900g / 1000ccm cyl  |
| TDMACpHf.2500.DOCK/10.3000 | 2500g / 3000ccm cyl |

### Quality Standards

EG Electronic Grade

### Vapor Pressure Curve

### Application

ALD and CVD precursor



Dockweiler Chemicals GmbH  
Emil-von-Behring-Strasse 76  
Goerzhaeuser Hof M217  
35041 Marburg, Germany

T +49 (0)6421 39-6380  
F +49 (0)6421 39-6381  
info@dockchemicals.com

[dockchemicals.com](https://dockchemicals.com)