

**'DOCK/
CHEMICALS**

SEMICONDUCTORS DECISION

$C_{10}H_{25}O_5Ta$

Tantalum precursor for CVD and ALD

'MO-CVD

BP: 150 °C / 302 °F (1013 hPa)

'TaEtO - TANTALUM(V)-ETHOXIDE

PRODUCT DATASHEET

TaEtO - TANTALUM(V)-ETHOXIDE

IDENTIFICATION

CAS-No:	6074-84-6
EC-No:	624-567-4
Other name:	-

MO-CVD

PHYSICAL PROPERTIES

Vapor pressure:	8 Torr (20 °C)
Density:	1.556 g/cm ³
Molweight:	406.26 g/mol
Melting point:	21 °C / 70 °F
Boiling point:	155 °C / 311 °F (0.01 Torr)

CHEMICAL PROPERTIES

Stability:	Stable under inert gas
State of matter:	Liquid

SAFETY & TRANSPORT

Toxicity:	Corrosive, Flammable
Explosion limit Vol%:	n.a.
Auto ignition temp. °C:	n.a.
ADR/RID	
ADR/RID-class:	3
UN-no:	1993, PG III
IMDG	
IMDG -class:	3
UN-no:	1993, PG III
ICAO/IATA	
ICAO/IATA-class:	3
UN-no:	1993, PG III – AIRFREIGHT ALLOWED

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

PACKAGING & STANDARD FILLING VOLUMES

TaEtO.100.DOCK/10.150	100g / 150ccm cyl.
TaEtO.400.DOCK/10.400	400g / 400ccm cyl.
TaEtO.600.DOCK/10.600	600g / 600ccm cyl.
TaEtO.1000.DOCK/10.1000	1000g / 1000ccm cyl.
TaEtO.3000.DOCK/10.3000	3000g / 3000ccm cyl.

QUALITY STANDARDS

EG Electronic Grade

VAPOR PRESSURE CURVE

n.a.

APPLICATION

TaN CVD and ALD

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