

**'DOCK/
CHEMICALS**

SEMICONDUCTORS DECISION

$C_9H_{27}Si_3P$

Mixed phosphorus and silicon precursor for CVD
& ALD

'MO-CVD

BP: 243 °C / 470 °F (1013 hPa)

'TTMSiP- TRIS(TRIMETHYLSILYL)PHOSPHINE

PRODUCT DATASHEET

'TTMSiP- TRIS(TRIMETHYLSILYL)PHOSPHINE

IDENTIFICATION

CAS-No:	15573-38-3
EC-No:	626-081-8
Other name:	-

'MO-CVD

PHYSICAL PROPERTIES

Vapor pressure equat.:	ca. 50 mTorr (25 °C)
Density:	0.863 g/cm ³
Molweight:	250.54 g/mol
Melting point:	24 °C / 75 °F
Boiling point:	243 °C / 470 °F (1013 hPa)

QUALITY STANDARDS

EG Electronic Grade

VAPOR PRESSURE CURVE

n.a.

CHEMICAL PROPERTIES

Stability:	Stable under inert gas
State of matter:	Liquid

SAFETY & TRANSPORT

Toxicity:	Pyrophoric
Explosion limit Vol%:	Pyrophoric
Auto ignition temp. °C:	Pyrophoric
ADR/RID	
ADR/RID-class:	4.2
UN-no:	2845, PG I
IMDG	
IMDG -class:	4.2
UN-no:	2845, PG I
ICAO/IATA	
ICAO/IATA-class:	4.2
UN-no:	2845, PG I – AIRFREIGHT FORBIDDEN

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

APPLICATION

P doping of SiGe

PACKAGING & STANDARD FILLING VOLUMES

TTMSiP.100.DOCK/10.150	100g / 150ccm cyl.
TTMSiP.200.DOCK/10.400	200g / 400ccm cyl.
TTMSiP.400.DOCK/10.600	400g / 600ccm cyl.
TTMSiP.750.DOCK/10.1000	750g / 1000ccm cyl
TTMSiP.2000.DOCK/10.3000	2000g / 3000ccm cyl.

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PRODUCT DATASHEET

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