

# 'DOCK/ CHEMICALS

SEMICONDUCTORS DECISION



Low temperature Aluminum precursor  
for CVD

'MO-III/V

BP: 186 °C/367 °F/1013 hPa

'TEAL - TRIETHYLALUMINUM

PRODUCT DATASHEET

# 'TEAL - TRIETHYLALUMINUM

## IDENTIFICATION

<b>CAS-No:</b>	97-93-8
<b>EC-No:</b>	202-619-3
<b>Other name:</b>	-

'MO-III/V

## PHYSICAL PROPERTIES

<b>Vapor pressure equat.:</b>	$\lg p(\text{Torr}) = 8.23 - 2180 / (T(\text{K}) - 73.82)$
<b>Density:</b>	0.835 g/cm <sup>3</sup>
<b>Molweight:</b>	114.16 g/mol
<b>Melting point:</b>	-52 °C/-62 °F
<b>Boiling point:</b>	186 °C/367 °F/1013 mbar

## CHEMICAL PROPERTIES

<b>Stability:</b>	Stable under inert gas
<b>State of matter:</b>	Liquid

## SAFETY & TRANSPORT

<b>Toxicity:</b>	n.a.
<b>Explosion limit Vol%:</b>	Pyrophoric
<b>Auto ignition temp. °C:</b>	Pyrophoric
<b>ADR/RID</b>	
<b>ADR/RID-class:</b>	4.2
<b>UN-no:</b>	3394
<b>IMDG</b>	
<b>IMDG -class:</b>	4.2
<b>UN-no:</b>	3394
<b>ICAO/IATA</b>	
<b>ICAO/IATA-class:</b>	4.2
<b>UN-no:</b>	3394 – AIR FREIGHT FORBIDDEN

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

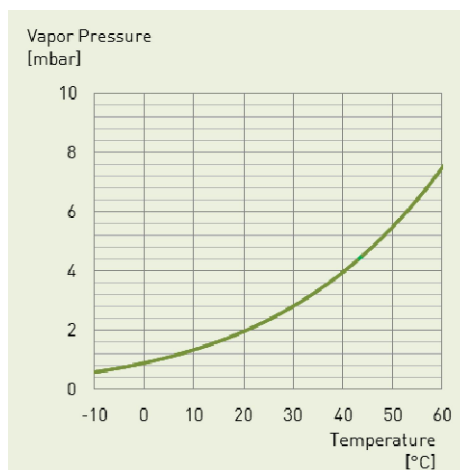
## PACKAGING & STANDARD FILLING VOLUMES

<b>TEAL.100.DOCK/10.150</b>	100g / 150ccm cyl.
<b>TEAL.300.DOCK/10.400</b>	300g / 400ccm cyl.
<b>TEAL.450.DOCK/10.600</b>	450g / 600ccm cyl.
<b>TEAL.750.DOCK/10.1000</b>	750g / 1000ccm cyl.
<b>TEAL.2200.DOCK/10.3000</b>	2200g / 3000ccm cyl.

## QUALITY STANDARDS

**EG Electronic Grade**

## VAPOR PRESSURE CURVE



## APPLICATION

III/V MOCVD, ALD

**'DOCK/  
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