

# 'DOCK/ CHEMICALS

SEMICONDUCTORS DECISION



Aluminum precursor for MOVPE and CVD

'MO-CVD

BP: 77 °C / 170.6 °F (1013 hPa)

'DEAH- DIETHYLALUMINUMHYDRIDE

PRODUCT DATASHEET

# 'DEAIH- DIETHYLALUMINUMHYDRIDE

## IDENTIFICATION

<b>CAS-No:</b>	871-27-2
<b>EC-No:</b>	212-805-6
<b>Other name:</b>	-

'MO-CVD

## PHYSICAL PROPERTIES

<b>Vapor pressure:</b>	ca. 0.8 Torr (20 °C)
<b>Density:</b>	ca. 0.90 g/cm <sup>3</sup>
<b>Molweight:</b>	86.11 g/mol
<b>Melting point:</b>	-58 °C / -72.4 °F
<b>Boiling point:</b>	77 °C / 170.6 °F (133.3 Pa)

## CHEMICAL PROPERTIES

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

## SAFETY & TRANSPORT

<b>Toxicity:</b>	Corrosive, Pyrophoric
<b>Explosion limit Vol%:</b>	Pyrophoric
<b>Auto ignition temp. °C:</b>	Pyrophoric
ADR/RID	
<b>ADR/RID-class:</b>	4.2(4.3)
<b>UN-no:</b>	3394, PG I
IMDG	
<b>IMDG -class:</b>	4.2(4.3)
<b>UN-no:</b>	3394, PG I
ICAO/IATA	
<b>ICAO/IATA-class:</b>	4.2(4.3)
<b>UN-no:</b>	3394, PG I – AIRFREIGHT FORBIDDEN

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

## PACKAGING & STANDARD FILLING VOLUMES

<b>DEAIH.100.DOCK/10.150</b>	100g / 150ccm cyl.
<b>DEAIH.200.DOCK/10.400</b>	200g / 400ccm cyl.
<b>DEAIH.400.DOCK/10.400</b>	600g / 600ccm cyl.
<b>DEAIH.800.DOCK/10.1000</b>	800g / 1000ccm cyl.
<b>DEAIH.2000.DOCK/10.3000</b>	2000g / 3000ccm cyl.

## QUALITY STANDARDS

**EG Electronic Grade**

## VAPOR PRESSURE CURVE

n.a.

## APPLICATION

III/V MOCVD and CVD

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