

DOCK/ CHEMICALS

SEMICONDUCTORS DECISION



Aluminum precursor for MOVPE & ALD

DMAIH- DIMETHYLALUMINUMHYDRIDE

MO-CVD

BP: 154 °C / 309.2 °F (1013 hPa)

PRODUCT DATASHEET

'DIMETHYLALUMINIUM HYDRIDE

IDENTIFICATION

CAS-No:	865-37-2
EC-No:	208-909-6
Other name:	-

'MO-CVD

PHYSICAL PROPERTIES

Vapor pressure equat.:	$\text{Log}_{10}P(\text{Torr}) = 8.92 - 2575/T(\text{K})$
Density:	0.75 g/cm ³
Molweight:	58.1 g/mol
Melting point:	17 °C / 62.6 °F
Boiling point:	154 °C / 309.2 °F (1013 mbar)

CHEMICAL PROPERTIES

Stability:	Stable under inert gas
State of matter:	Liquid

SAFETY & TRANSPORT

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

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

PACKAGING & STANDARD FILLING VOLUMES

DMAIH.100.DOCK/10.150	100g / 150ccm cyl.
DMAIH.200.DOCK/10.400	200g / 400ccm cyl.
DMAIH.400.DOCK/10.600	400g / 600ccm cyl.
DMAIH.7500.DOCK/10.1000	750g / 1000ccm cyl
DMAIH.2000.DOCK/10.3000	2000g / 3000ccm cyl.

QUALITY STANDARDS

EG Electronic Grade

VAPOR PRESSURE CURVE

n.a.

APPLICATION

IMOCVD

**'DOCK/
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