

DEAIO

DIETHYLALUMINIUM ETHOXIDE

Physical Properties

Vapor pressure equat.:	$\log(p(\text{Torr})) = 8.8913 - 3006.6/T(\text{K})$
Density:	0.862 g/cm ³
Molweight:	130.1 g/mol
Melting point:	2.5-4.5 °C / 36.5-40.1 °F
Boiling point:	108-109 °C / 226.4-228.2 °F (13 mbar)
Sublimation point:	

Chemical Properties

Stability:	Stable under recommended storage conditions
State of matter:	Liquid

Safety & Transport

Toxicity:	Pyrophoric, Water-reactive, Skin/eye corrosion
Thermal decomposition:	
ADR/RID-class:	4.2(4.3)
UN-no:	3394, PG I
IMDG-class:	4.2(4.3)
UN-no:	3394, PG I
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

DEAIO.100.DOCK/10.150	100g / 150ccm cyl.
DEAIO.250.DOCK/10.400	250g / 400ccm cyl.
DEAIO.400.DOCK/10.600	400g / 600ccm cyl.
DEAIO.750.DOCK/10.1000	700g / 1000ccm cyl.
DEAIO.2000.DOCK/10.3000	2000g / 3000ccm cyl.
DEAIO.5000.DOCK/100.8000	5000g / 8000ccm cyl.

Product Description

Name:	DIETHYLALUMINIUM ETHOXIDE
CAS-Number:	1586-92-1
Element:	Al
Molecular Formula:	C ₆ H ₁₅ AlO

Quality Standards

EG Electronic Grade

Application

III/V MOCVD, oxygen dopant for AlGaInP structures

Vapor Pressure

Vapor Pressure
[mbar]

