

TMAI

TRIMETHYLALUMINUM

Physical Properties

Vapor pressure equat.:	$\log(p(\text{Torr})) = 8.224 - 2134.83/T(\text{K})$
Density:	0.752 g/cm ³
Molweight:	72.1 g/mol
Melting point:	15.3 °C / 59 °F
Boiling point:	127 °C / 261 °F
Sublimation point:	

Chemical Properties

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

Safety & Transport

Toxicity:	n.a.
Thermal decomposition:	
ADR/RID-class:	4.2
UN-no:	3394
IMDG-class:	4.2
UN-no:	3394
ICAO/IATA-class:	4.2
UN-no:	3394 – AIR FREIGHT FORBIDDEN

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

Packaging & Standard Filling Volumes

TMAI.100.DOCK/10.150	100g / 150ccm cyl.
TMAI.230.DOCK/10.400	230g / 400ccm cyl.
TMAI.380.DOCK/10.600	380g / 600ccm cyl.
TMAI.600.DOCK/10.1000	600g / 1000ccm cyl.
TMAI.2000.DOCK/10.3000	2000g / 3000ccm cyl.

Product Description

Name:	TRIMETHYLALUMINUM
CAS-Number:	75-24-1
Element:	Al
Molecular Formula:	C ₃ H ₉ Al

Quality Standards

OEG Opto Electronic Grade / EG Electronic Grade
ALD Atomic Layer Deposition Grade

Application

III/V MOCVD

Vapor Pressure

Vapor Pressure
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