

TRIMETHYLALUMINUM

TMAI

 Product description

Name: TRIMETHYLALUMINUM
CAS-Number: 75-24-1

Application: III/V MOCVD

Element: Al

TRIMETHYLALUMINUM

TMAI

Physical Properties

Vapor pressure equat.: $\log(p(\text{Torr})) = 8.224 - 2134.83/T(\text{K})$

Density: 0.752 g/cm³

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 inert gas

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.

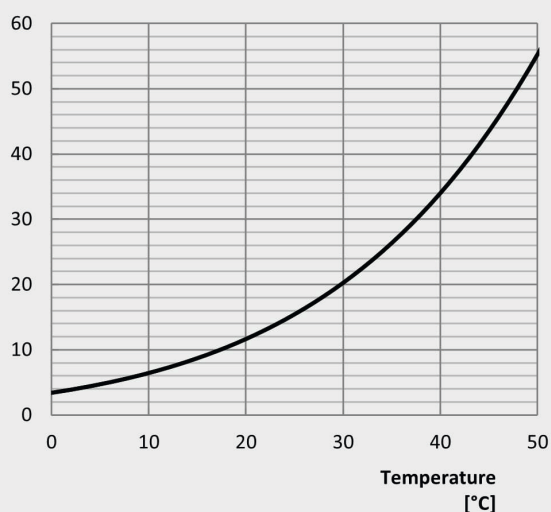
Quality Standards

OEG Opto Electronic Grade / EG
Electronic Grade

ALD Atomic Layer Deposition
Grade

Vapor Pressure Curve

Vapor Pressure
[mbar]



Application

III/V MOCVD



Dockweiler Chemicals GmbH
Emil-von-Behring-Strasse 76
Goerzhaeuser Hof M217
35041 Marburg, Germany

T +49 (0)6421 39-6380
F +49 (0)6421 39-6381
info@dockchemicals.com

dockchemicals.com