‘TBAs - TERTIARYBUTYLARSINE

Liquid, Safe and Efficient As-Precursor for MOVPE

C₄H₁₁As

BP: 68°C/54°F/1013 hPa

PRODUCT DATASHEET
IDENTIFICATION

CAS-No: 4262-43-5
EINECS/ELINCS-No: 20-04-1517-00
Other name: 2-Methylpropylarsine

PHYSICAL PROPERTIES

Vapor pressure equat.: \( \lg p(\text{torr}) = 7.6393 - 1625/T(\text{K}) \)
Density g/cm\(^3\): 1.08
Molweight g/mol: 133.92
Melting point: \(-1^\circ\text{C}/32^\circ\text{F}\)
Boiling point: 68°C/54°F/1013 hPa

CHEMICAL PROPERTIES

Stability: stable under inert gas
Reactivity & handling: pyrophoric

SAFETY & TRANSPORT

Toxicity: Toxic by inhalation
Explosion limit Vol%: pyrophoric
Auto ignition temp. °C: pyrophoric
ADR/RID-class: 4.2
UN-no: 2845
IMDG Arndt. 33-06
IMDG/GGVSee-class: 4254
UN-no: 2845
ICAO/IATA-class: 4.2
UN-no: 2845 – AIR FREIGHT FORBIDDEN

PACKAGING & STANDARD FILLING VOLUMES

TBAs.325.DO100.400: 325g / 400ccm cyl.
TBAs.1000.DO100.1300: 1000g / 1300ccm cyl.
TBAs.2800.DO100.3150: 2800g / 3150ccm cyl.
TBAs.3000.DO100.3200: 3000g / 3200ccm cyl.
TBAs.7000.DO100.8000: 7000g / 8000ccm cyl.

APPLICATION

III/V MOCVD
GaAs, InP-based material system
Si-semiconductors, III/V on Si

PRODUCT DATASHEET