

'DOCK/ CHEMICALS

SEMICONDUCTORS DECISION



Low Temperature decomposing In- Precursor
for MOVPE

'TEIn - TRIETHYLINDIUM

PRODUCT DATASHEET

'MO-III/V

BP: decomp. <80 °C/176 °F/1013

'TEIn - TRIETHYLINDIUM

IDENTIFICATION

| | |
|--------------------|-----------|
| CAS-No: | 923-34-2 |
| EINECS-No: | 213-095-0 |
| Other name: | - |

'MO-III/V

PHYSICAL PROPERTIES

| | |
|------------------------|------------------------|
| Vapor pressure: | 1.2 Torr @ 40 °C |
| Density: | 1.26 g/cm ³ |
| Molweight: | 202 g/mol |
| Melting point: | n.a. |
| Boiling point: | decomp. >80 °C/176 °F |

CHEMICAL PROPERTIES

| | |
|-------------------------|------------------------|
| Stability: | Stable under inert gas |
| State of matter: | Liquid |

SAFETY & TRANSPORT

| | |
|--------------------------------|------------------------------|
| Toxicity: | n.a. |
| Explosion limit Vol%: | Pyrophoric |
| Auto ignition temp. °C: | Pyrophoric |
| ADR/RID | |
| ADR/RID-class: | 4.2 [4.3] |
| UN-no: | 3393 |
| IMDG | |
| IMDG -class: | 4.2 [4.3] |
| UN-no: | 3393 |
| ICAO/IATA | |
| ICAO/IATA-class: | 4.2 [4.3] |
| UN-no: | 3393 – AIR FREIGHT FORBIDDEN |

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

PACKAGING & STANDARD FILLING VOLUMES

| | |
|-------------------------------|----------------------|
| TEIn.100.DOCK/10.150 | 100g / 150ccm cyl. |
| TEIn.200.DOCK/10.400 | 200g / 400ccm cyl. |
| TEIn.450.DOCK/10.400 | 450g / 400ccm cyl. |
| TEIn.650.DOCK/10.600 | 650g / 600ccm cyl. |
| TEIn.1100.DOCK/10.1000 | 1100g / 1000ccm cyl. |

QUALITY STANDARDS

EG Electronic Grade

VAPOR PRESSURE CURVE

n.a.

APPLICATION

III/V MOCVD

**'DOCK/
CHEMICALS**

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PRODUCT DATASHEET

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