

TETRAKIS(DIMETHYLAMINO)TITANIUM

TDMATi

 Product description

Name: TETRAKIS(DIMETHYLAMINO)TITANIUM
CAS-Number: 3275-24-9

Application: TiN, TiO₂ deposition

Element: Ti

TETRAKIS(DIMETHYLAMINO)TITANIUM

TDMATi

Physical Properties

| | |
|------------------------|-----------------------------|
| Vapor pressure equat.: | 0.13 mbar at 25 °C |
| Density: | 0.96 g/cm ³ |
| Molweight: | 224.17 g/mol |
| Melting point: | <4 °C / <39 °F |
| Boiling point: | 50 °C / 122 °F (0.067 mbar) |
| Sublimation point: | |

Chemical Properties

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

Safety & Transport

| | |
|------------------------|--------------------------------------|
| Toxicity: | Flammable, Water-reactive, Corrosive |
| Thermal decomposition: | |
| ADR/RID-class: | 4.3(8) |
| UN-no: | 3129, PG II |
| IMDG-class: | 4.3(8) |
| UN-no: | 3129, PG II |
| ICAO/IATA-class: | 4.3(8) |
| UN-no: | 3129, PG II – AIRFREIGHT ALLOWED |

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

Packaging & Standard Filling Volumes

| | |
|--------------------------|----------------------|
| TDMATi.100.DOCK/10.150 | 100g / 150ccm cyl. |
| TDMATi.400.DOCK/10.400 | 400g / 400ccm cyl. |
| TDMATi.600.DOCK/10.600 | 600g / 600ccm cyl. |
| TDMATi.1000.DOCK/10.1000 | 1000g / 1000ccm cyl. |
| TDMATi.3000.DOCK/10.3000 | 3000g / 3000ccm cyl. |

Quality Standards

EG Electronic Grade

Vapor Pressure Curve

Application

TiN, TiO₂ deposition



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