

# (EtCp)<sub>2</sub>Sc(bdma)

## MIDGARD

### Physical Properties

|                        |                                                                                               |
|------------------------|-----------------------------------------------------------------------------------------------|
| Vapor pressure equat.: | $\log(p(\text{mbar})) = 9.03 - (3804/T(K))$ for $T = 100\text{--}200\text{ }^{\circ}\text{C}$ |
| Density:               | ca. 1 g/cm <sup>3</sup> at 25 °C                                                              |
| Molweight:             | 374.46 g/mol                                                                                  |
| Melting point:         | 20-50 °C / 68-122 °F                                                                          |
| Boiling point:         | 120-150 °C / 248-302 °F (0.013 mbar)                                                          |
| Sublimation point:     |                                                                                               |

### Chemical Properties

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

### Safety & Transport

|                        |                           |
|------------------------|---------------------------|
| Toxicity:              | Flammable, Water-reactive |
| Thermal decomposition: |                           |
| ADR/RID-class:         | 3 ( 4.3)                  |
| UN-no:                 | 3399, PG II               |
| IMDG-class:            | 3 ( 4.3)                  |
| UN-no:                 | 3399, PG II               |
| ICAO/IATA-class:       | 3 ( 4.3)                  |
| UN-no:                 | 3399, PG II               |

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

### Packaging & Standard Filling Volumes

|                         |                    |
|-------------------------|--------------------|
| MIDGARD.50.DOCK/10.150  | 50g / 150ccm cyl.  |
| MIDGARD.100.DOCK/10.150 | 100g / 150ccm cyl. |
| MIDGARD.250.DOCK/10.400 | 250g / 400ccm cyl. |
| MIDGARD.500.DOCK/10.600 | 500g / 600ccm cyl. |

### Product Description

|                    |                                                                                |
|--------------------|--------------------------------------------------------------------------------|
| Name:              | BIS(ETHTHYLCYCLOPENTADIENYL)<br>(BIS(DIMETHYLAMINO)ACETAMIDI-<br>NATO)SCANDIUM |
| CAS-Number:        | 3026794-22-6                                                                   |
| Element:           | Sc                                                                             |
| Molecular Formula: | C <sub>20</sub> H <sub>33</sub> N <sub>4</sub> Sc                              |

### Quality Standards

DG Development Grade

### Application

AlScN MOCVD, Sc Oxide deposition

### Vapor Pressure

