

W(CO)₆

HEXACARBONYLTUNGSTEN

Physical Properties

| | |
|------------------------|------------------------|
| Vapor pressure equat.: | 1.6 mbar at 67 °C |
| Density: | 2.65 g/cm ³ |
| Molweight: | 351.9 g/mol |
| Melting point: | 150 °C / 302 °F |
| Boiling point: | n.a. |
| Sublimation point: | |

Chemical Properties

| | |
|------------------|--|
| Stability: | Stable under normal storage conditions |
| State of matter: | Solid |

Safety & Transport

| | |
|------------------------|----------------------------|
| Toxicity: | Acute Toxicity |
| Thermal decomposition: | |
| ADR/RID-class: | 6.1 |
| UN-no: | 3288 |
| IMDG-class: | 6,1 |
| UN-no: | 3288 |
| ICAO/IATA-class: | 6,1 |
| UN-no: | 3288 – AIR FREIGHT ALLOWED |

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

Packaging & Standard Filling Volumes

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|---------------------------------------|----------------------|
| W(CO) ₆ .100.DOCK/10.150 | 100g / 150ccm cyl. |
| W(CO) ₆ .200.DOCK/10.150 | 200g / 150ccm cyl. |
| W(CO) ₆ .500.DOCK/10.400 | 500g / 400ccm cyl. |
| W(CO) ₆ .4000.DOCK/10.1000 | 4000g / 1000ccm cyl. |
| W(CO) ₆ .5500.DOCK/10.3000 | 5500g / 3000ccm cyl. |

Product Description

| | |
|--------------------|----------------------|
| Name: | TUNGSTENHEXACARBONYL |
| CAS-Number: | 14040-11-0 |
| Element: | W |
| Molecular Formula: | W(CO) ₆ |

Quality Standards

EG Electronic Grade

Application

Deposition of 2D materials.

Vapor Pressure

