

BIS(CYCLOPENTADIENYL)IRON

Cp₂Fe

 **Product description**

Name: BIS(CYCLOPENTADIENYL)IRON

CAS-Number: 102-54-5

Application: III/V MOCVD, Iron Dopant, Semiinsulating InP

Element: Fe

BIS(CYCLOPENTADIENYL)IRON

Cp₂Fe

Physical Properties

Vapor pressure equat.: $\log(p(\text{Torr})) = 10.27 - 3680/T(\text{K})$

Density: 1.49 g/cm³

Molweight: 186 g/mol

Melting point: 172-175 °C / 342-347 °F

Boiling point: 249 °C / 480 °F

Sublimation point:

Chemical Properties

Stability: Stable under inert gas

State of matter: Solid

Safety & Transport

Toxicity: Toxic by Inhalation

Thermal decomposition:

ADR/RID-class: 4.1, PG II

UN-no: 1325

IMDG-class: 4.1, PG II

UN-no: 1325

ICAO/IATA-class: 4.1, PG II

UN-no: 1325 – AIR FREIGHT ALLOWED

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

Packaging & Standard Filling Volumes

Cp₂Fe.50.DOCK/10.150 50g / 150ccm cyl.

Cp₂Fe.100.DOCK/10.400 100g / 400ccm cyl.

Cp₂Fe.250.DOCK/10.600 250g / 600ccm cyl.

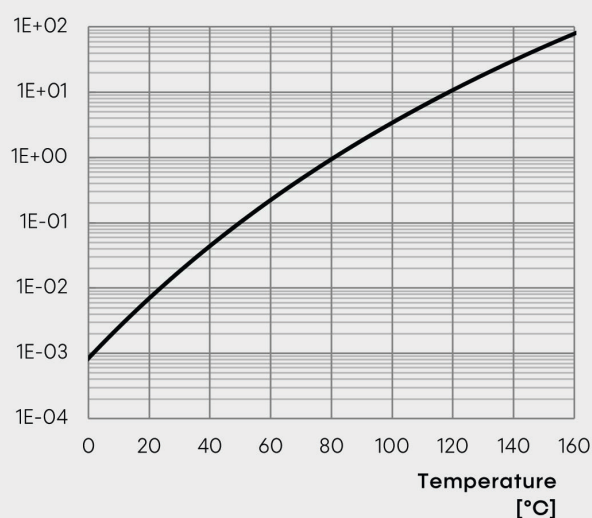
Cp₂Fe.450.DOCK/10.1000 450g / 1000ccm cyl.

Quality Standards

EG Electronic Grade

Vapor Pressure Curve

Vapor Pressure
[mbar]



Application

III/V MOCVD, Iron Dopant, Semiinsulating InP



Dockweiler Chemicals GmbH
Emil-von-Behring-Strasse 76
Goerzhaeuser Hof M217
35041 Marburg, Germany

T +49 (0)6421 39-6380
F +49 (0)6421 39-6381
info@dockchemicals.com

dockchemicals.com