

(EtCp)₂Mg

BIS(ETHYLCYCLOPENTADIENYL)MAGNESIUM

Physical Properties

Vapor pressure equat.:	$\log(p(\text{mbar})) = 7.23 - 2289/T(\text{K})$ for T = 0-100 °C
Density:	0.98 g/cm ³
Molweight:	210.60 g/mol
Melting point:	<15 °C / < 59 °F
Boiling point:	ca. 250 °C / 482 °F (decomposition)
Sublimation point:	

Chemical Properties

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

Safety & Transport

Toxicity:	Pyrophoric
Thermal decomposition:	
ADR/RID-class:	4.2(4.3)
UN-no:	3394, PG I
IMDG-class:	4.2(4.3)
UN-no:	3394, PG I
ICAO/IATA-class:	4.2(4.3)
UN-no:	3394, PG I - AIR FREIGHT FORBIDDEN

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

Packaging & Standard Filling Volumes

(EtCp) ₂ Mg.100.Dock/10.150	100g / 150ccm cyl.
(EtCp) ₂ Mg.200.Dock/10.400	200g / 400ccm cyl.
(EtCp) ₂ Mg.350.Dock/10.400	350g / 400ccm cyl.
(EtCp) ₂ Mg.525.Dock/10.600	525g / 600ccm cyl.
(EtCp) ₂ Mg.855.Dock/10.1000	855g / 1000ccm cyl.

Product Description

Name:	BIS(ETHYLCYCLOPENTADIENYL) MAGNESIUM
CAS-Number:	114460-02-5
Element:	Mg
Molecular Formula:	C ₁₄ H ₁₈ Mg

Quality Standards

EG Electronic Grade
DG Development Grade

Application

ALD and CVD precursor

Vapor Pressure

Vapor Pressure
[mbar]

