

cadmium oxide

Inchi:	InChI=1S/Cd.O
InchiKey:	CXKCTMHTOKXKQT-UHFFFAOYSA-N
Formula:	CdO
SMILES:	O=[Cd]
Mol. weight [g/mol]:	128.41
CAS:	1306-19-0

Physical Properties

Property code	Value	Unit	Source
hfs	-258.35 ± 0.40	kJ/mol	NIST Webbook
ss	54.80 ± 1.50	J/mol×K	NIST Webbook

Correlations

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/(T + C)$
Coeff. A	1.90300e+01
Coeff. B	-2.55757e+04
Coeff. C	-5.75000e+01
Temperature range (K), min.	1273.15
Temperature range (K), max.	1832.15

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C1306190&Units=SI
The Yaws Handbook of Vapor Pressure:	https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure

Legend

hfs:	Solid phase enthalpy of formation at standard conditions
pvap:	Vapor pressure
ss:	Solid phase molar entropy at standard conditions

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