

Nickel, [[2,2'-[1,2-ethanediylbis(nitrilomethylidyne)]bis[phenolato]](2-)-N,N',O,O']-

Other names:
(SP-4-2)-

Nickel, [[«alpha», «alpha»'-(ethylenedinitrilo)di-o-cresolato](2-)]-

Bis(salicylaldehyde)ethylenediiminatonickel

N,N'-Ethylenebis(salicylideniminato)nickel

Nickel, [N,N'-ethylenebis(salicylaldiminato)]-

Nickel,[[2,2'-[1,2-ethanediylbis(nitrilomethylidyne)]bis[phenolato]](2-)-N,N',O,O']-

Inchi: InChI=1S/C16H16N2O2.Ni/c19-15-7-3-1-5-13(15)11-17-9-10-18-12-14-6-2-4-8-16(14)20

InchiKey: DKBSGGGSJQXGHBV-UHFFFAOYSA-L

Formula: C16H14N2NiO2

SMILES: [Ni].[O-]c1cccc1C=NCCN=Cc1cccc1[O-]

Mol. weight [g/mol]: 324.99

CAS: 14167-20-5

Physical Properties

Property code	Value	Unit	Source
ea	1.06 ± 0.10	eV	NIST Webbook
ie	7.57 ± 0.09	eV	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	149.80 ± 7.00	kJ/mol	502.00	NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C14167205&Units=SI>

Legend

ea: Electron affinity
hsub: Enthalpy of sublimation at a given temperature
ie: Ionization energy

Latest version available from:

<https://www.cheméo.com/cid/68-173-5/Nickel-2-2-1-2-ethanediylbis-nitrilomethylidyne-bis-phenolato-2-N-N-O-O-SP->

Generated by Cheméo on 2024-04-24 16:24:09.035587227 +0000 UTC m=+16265097.956164542.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.