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1:Co C Cl4  
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Topology for C1

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Atom C1 links by bridge ligands and has

Common vertex with					R(A-A)	
Co 1	0.6705	1.2385	-0.1102	( 0 1-1)	5.658A	1
Co 1	0.3295	0.7615	0.1102	( 1 1 1)	5.713A	1
Co 1	1.1705	0.2615	0.3898	( 0 0-1)	7.039A	1

Topology for Co1

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Atom Co1 links by bridge ligands and has

Common vertex with					R(A-A)	
C 1	0.7883	-0.2002	1.1682	( 0-1 1)	5.658A	1
C 1	0.2117	0.2002	0.8318	( 1 1 1)	5.713A	1
C 1	0.2883	-0.2998	0.6682	(-1 0 0)	7.039A	1
Co 1	0.1705	0.2615	0.3898	(-1 0-1)	7.308A	1
Co 1	1.1705	0.2615	1.3898	( 0 0 0)	7.308A	1

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Structural group analysis

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Structural group No 1

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Structure consists of layers ( 1 0-1) with CoC

Coordination sequences

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C1: 1 2 3 4 5 6 7 8 9 10  
Num 3 11 21 27 41 49 51 69 77 75  
Cum 4 15 36 63 104 153 204 273 350 425

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Co1: 1 2 3 4 5 6 7 8 9 10  
Num 5 13 22 33 39 48 61 65 74 89  
Cum 6 19 41 74 113 161 222 287 361 450

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TD10=437

Vertex symbols for selected sublattice

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C1 Point symbol:{4.5.6}

Extended point symbol:[4.5(2).6(2)]

Co1 Point symbol:{4.5^5.6^3.7}

Extended point symbol:[4.5.5.5.5(2).6.6.6(2).7(3)]

Point symbol for net: {4.5.6}{4.5^5.6^3.7}

3,5-c net with stoichiometry (3-c)(5-c); 2-nodal net

New topology, please, contact the authors (72524 types in 11 databases)

Minimum circuits for independent edges (bonds)

No	Atom	x	y	z	Atom	x	y	z	Dist.
1	C1	0.7883	-0.2002	0.1682	Co1	0.6705	0.2385	-0.1102	5.658
2	C1	0.7883	0.7998	0.1682	Co1	0.3295	0.7615	0.1102	5.713
3	C1	0.7883	0.7998	0.1682	Co1	1.1705	0.2615	0.3898	7.039
4	Co1	0.6705	0.2385	-0.1102	Co1	1.1705	0.2615	0.3898	7.308

Non-equivalent circuits

Circuit No 1; Type=4a; Centroid: (0.500,0.000,0.000)

Atom	x	y	z
C1	0.7883	-0.2002	0.1682
Co1	0.3295	-0.2385	0.1102
C1	0.2117	0.2002	-0.1682
Co1	0.6705	0.2385	-0.1102

Circuit No 2; Type=5a; Centroid: (0.766,0.572,0.322)

Atom	x	y	z
C1	0.7883	0.7998	0.1682
Co1	0.3295	0.7615	0.1102
Co1	0.8295	0.7385	0.6102

C1	0.7117	0.2998	0.3318
Co1	1.1705	0.2615	0.3898

Circuit No 3; Type=5b; Centroid: (0.881,0.652,0.389)

Atom	x	y	z
C1	0.7883	0.7998	0.1682
Co1	0.3295	0.7615	0.1102
Co1	0.8295	0.7385	0.6102
C1	1.2883	0.7002	0.6682
Co1	1.1705	0.2615	0.3898

Circuit No 4; Type=6a; Centroid: (0.626,0.583,0.899)

Atom	x	y	z
C1	0.7883	0.7998	1.1682
Co1	0.6705	1.2385	0.8898
C1	0.2883	0.7002	0.6682
Co1	0.1705	0.2615	0.3898
Co1	0.6705	0.2385	0.8898
Co1	1.1705	0.2615	1.3898

Circuit No 5; Type=6b; Centroid: (0.000,0.000,0.500)

Atom	x	y	z
Co1	0.6705	0.2385	0.8898
C1	0.2883	-0.2998	0.6682
Co1	-0.1705	-0.2615	0.6102
Co1	-0.6705	-0.2385	0.1102
C1	-0.2883	0.2998	0.3318
Co1	0.1705	0.2615	0.3898

Circuit No 6; Type=6c; Centroid: (0.500,0.000,0.000)

Atom	x	y	z
Co1	0.6705	0.2385	-0.1102
C1	0.2883	-0.2998	-0.3318
Co1	-0.1705	-0.2615	-0.3898
Co1	0.3295	-0.2385	0.1102
C1	0.7117	0.2998	0.3318

Co1 1.1705 0.2615 0.3898

Circuit No 7; Type=7a; Centroid: (0.119,0.980,0.659)

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Atom      x      y      z  
-----  
Co1      0.6705  1.2385  0.8898  
Co1      0.1705  1.2615  0.3898  
C1      -0.2883  1.2998  0.3318  
Co1     -0.6705  0.7615  0.1102  
Co1     -0.1705  0.7385  0.6102  
Co1      0.3295  0.7615  1.1102  
C1      0.7883  0.7998  1.1682
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Circuit No 8; Type=7b; Centroid: (0.245,0.186,0.762)

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-----  
Atom      x      y      z  
-----  
Co1      0.6705  0.2385  0.8898  
Co1      0.1705  0.2615  0.3898  
C1     -0.2883  0.2998  0.3318  
Co1     -0.1705  0.7385  0.6102  
C1      0.2117  0.2002  0.8318  
Co1      0.3295 -0.2385  1.1102  
C1      0.7883 -0.2002  1.1682
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Circuit No 9; Type=7c; Centroid: (0.327,0.243,0.810)

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-----  
Atom      x      y      z  
-----  
Co1      0.6705  0.2385  0.8898  
Co1      0.1705  0.2615  0.3898  
C1      0.2883  0.7002  0.6682  
Co1     -0.1705  0.7385  0.6102  
C1      0.2117  0.2002  0.8318  
Co1      0.3295 -0.2385  1.1102  
C1      0.7883 -0.2002  1.1682
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Elapsed time: 32.05 sec.