

## Ligands:

### Halides:

F <sup>-</sup>	fluoro
Cl <sup>-</sup>	chloro
Br <sup>-</sup>	bromo
I <sup>-</sup>	iodo

### Pseudohalides:

CN <sup>-</sup>	cyano
SCN <sup>-</sup>	thiocyanato
OCN <sup>-</sup>	cyanato

### Oxoanions:

SO <sub>4</sub> <sup>2-</sup>	sulfato
SO <sub>3</sub> <sup>2-</sup>	sulfito
S <sub>2</sub> O <sub>3</sub> <sup>2-</sup>	thiosulfato
CO <sub>3</sub> <sup>2-</sup>	carbonato
NO <sub>3</sub> <sup>1-</sup>	nitrato
NO <sub>2</sub> <sup>1-</sup>	nitro
ONO <sup>1-</sup>	nitrito
C <sub>2</sub> O <sub>4</sub> <sup>2-</sup>	oxalato (ox)

### Neutral ligands:

H <sub>2</sub> O	aqua
NH <sub>3</sub>	ammine
NH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> NH <sub>2</sub>	ethylenediamine (en)
C <sub>5</sub> H <sub>5</sub> N	pyridine (py)

### Sulfur ligands:

S <sup>2-</sup>	sulfido
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### Organometallic:

CO	carbonyl
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### Oxygen ligands:

O <sup>2-</sup>	oxo
OH <sup>-</sup>	hydroxo

## Prefixes:

Number of ligands		If ligand name has prefix (di, tri, etc.) or 'thio'
1	mono	
2	di	bis
3	tri	tris
4	tetra	tetrakis
5	penta	pentakis
6	hexa	hexakis
7	hepta	heptakis
8	octa	octakis
9	nona	nonakis
10	deca	decakis

## Name of Metal in Anionic Complex:

1st Row		2nd Row		3rd Row	
<b>Ti</b>	<b>titanate</b>	Zr	zirconate	Hf	hafnate
<b>V</b>	<b>vanadate</b>	Nb	niobate	Ta	tantalate
<b>Cr</b>	<b>chromate</b>	Mo	molybdate	W	tungstate
<b>Mn</b>	<b>manganate</b>	Tc	technate	Re	rhenate
<b>Fe</b>	<b>ferrate</b>	Ru	ruthenate	Os	osmate
<b>Co</b>	<b>cobaltate</b>	Rh	rhodate	Ir	iridate
<b>Ni</b>	<b>nickelate</b>	Pd	palladate	<b>Pt</b>	<b>platinate</b>
<b>Cu</b>	<b>cuprate</b>	Ag	argentate	<b>Au</b>	<b>aurate</b>
<b>Zn</b>	<b>zincate</b>	Cd	cadmate	<b>Hg</b>	<b>mercurate</b>
		Sn	stannate	Pb	plumbate