Other Organo-inorganic Acids & Derivatives

Organo-inorganic acids and their derivatives are generally soluble in water. They contain many phenolic and/or carboxylic acid groups. They possess chelating properties in forming metal complexes with metal ions. Owing to its nature, many of the organo-inorganic acids and their derivatives are stable, for example, humic acid, fulvic acid, and citric acid diammonium salt. Humic acid is a complex mixture of many acidic compounds containing carboxylic and phenolic acids. Fulvic acids have a lower molecular weight and are highly oxygenated analogues of humic acids, and are used in agriculture as soil supplements.

44061	2-Naphthyl sulfate potassium salt, 98%
13802	Aluminum ammonium sulfate dodecahydrate, Reagent Grade
A10906	Aluminum potassium sulfate dodecahydrate, 98+%
36288	Aluminum potassium sulfate dodecahydrate, ACS, 98.0-102.0%
14231	Aluminum silicate
44563	Aluminum sulfate, anhydrous, 99.99% (metals basis)
12362	Aluminum sulfate hydrate, 97+%
36294	Aluminum sulfate hydrate, ACS, 98.0-102%
A15194	Ammonium chromate, 98+%
87680	Ammonium chromate, Reagent Grade
A10627	Ammonium cobalt(II) sulfate hexahydrate, 98%
43902	Ammonium cobalt(II) sulfate hexahydrate, 99%
A12834	Ammonium copper(II) sulfate hexahydrate, 99%

43180	Ammonium dichromate, 99.995% (metals basis)
13444	Ammonium dichromate, ACS, 99.5% min
31493	Ammonium dihydrogen arsenate, 98%
14517	Ammonium formate, 98+%
14485	Ammonium hydrogen sulfate, 99.9% (metals basis)
A16105	Ammonium iron(III) sulfate dodecahydrate, 98+%
A12473	Ammonium iron(II) sulfate hexahydrate, 99%
43206	Ammonium molybdate, 99.99% (metals basis)
12215	Ammonium molybdate (di), Mo 56.5%
A13766	Ammonium molybdate (para) tetrahydrate, 99%
11831	Ammonium molybdate (para) tetrahydrate, ACS, 81-83% as MoO₃
54106	Ammonium peroxydisulfate, ACS, 98.0% min
11410	Ammonium perrhenate(VII), 99+% (metals basis)
A17696	Ammonium sulfamate, 98+%
14534	Ammonium sulfamate, ACS, 98% min
A11682	Ammonium sulfate, 98+%
17996	Ammonium sulfite monohydrate, 92% min

14487	Ammonium tellurate, 99.5%
43493	Ammonium tetrathiomolybdate, 99.95% (metals basis)
22373	Ammonium tetrathiotungstate
A10190	Ammonium thiosulfate, 96%
A13584	Ammonium zinc sulfate hydrate
14669	Barium chromate, 98%
L13172	Barium manganate, tech. 90%
47360	Barium perrhenate, Puratronic®, 99.99%
A17451	Barium selenite, 97%
13989	Barium sulfate, 97%
A11768	Barium sulfate, precipitated, 98%
A14981	Barium thiosulfate, 98%
A16614	Benzenesulfinic acid copper(II) salt hydrate, 97%
16104	Beryllium sulfate tetrahydrate, 99.99% (metals basis)
B22007	Bismuth(III) sulfate, 99%
A18139	Cacodylic acid sodium salt trihydrate 98+%
11861	Cadmium sulfate, anhydrous, ACS, 99+

%

A10168	Cadmium sulfate hydrate, 98%
12340	Cadmium sulfate octahydrate, ACS, 98.0-102.0%
A17476	Cadmium tellurite, 99%

12514	Nickel(II) sulfate hexahydrate, 98%
53130	Nickel(II) sulfate hexahydrate, 99.97% min (metals basis)
39455	Nickel naphthenate, Ni 5-12
89892	Oxone®, monopersulfate

39219	Calcium arsenate, 95%
43333	Calcium chromate, 99.9% (metals basis)
A18916	Calcium formate, 98%
35843	Calcium silicate, meta, 99% (metals basis)
89741	Calcium silicate, meta, Reagent Grade
40144	Calcium sulfate, anhydrous, 99%
33301	Calcium sulfate dihydrate, 99%
L20254	Cerium(IV) sulfate, anhydrous, 97% (REO)
A10142	Cerium(IV) sulfate hydrate, 98%
B23619	Cesium chromate, 99+%
13492	Cesium chromate, 99.9% (metals basis)
40230	Cesium dichromate, 99.8% (metals basis)
A17644	Cesium dihydrogen arsenate, 99.99%
B21327	Cesium formate, 98%
12927	Cesium formate hydrate, 99.9% (metals basis)

39213	Cesium metavanadate, 99.9% (metals basis)
39211	Cesium orthovanadate, 99.9% (metals basis)
40208	Cesium silicate (meta), 99%
A16767	Cesium sulfate, 99%
10027	Cesium sulfate, 99.95% (metals basis)
14559	Cesium sulfate, 99.9% (metals basis)
A11816	Chromium(III) potassium sulfate dodecahydrate, 98%
44083	Chromium(III) potassium sulfate dodecahydrate, 99.9% (metals basis)
36715	Chromium(III) potassium sulfate dodecahydrate, ACS, 98.0-102.0%
33303	Chromium(III) sulfate hydrate, Reagent Grade
36219	Citric acid diammonium salt, ACS, 98.0-103.0%
39203	Cobalt(II) chromate
43906	Cobalt(II) sulfamate hydrate
A16201	Cobalt(II) sulfate heptahydrate, 98%
11340	Cobalt(II) sulfate hydrate, Reagent, Co 20.8% min
40387	Cobalt naphthenate, Co 6%, approximately 53% in mineral spirits
A18569	Copper(II) formate tetrahydrate, 98%

40221	Copper(II) selenite hydrate, 97%
A13986	Copper(II) sulfate, anhydrous, 98%
33308	Copper(II) sulfate, anhydrous, Reagent Grade
A11262	Copper(II) sulfate pentahydrate, 99%
L17434	Formic acid, 85%
A13285	Formic acid, 97%
36504	Formic acid, ACS, 88+%
36617	Formic acid, ACS, 96+%
44244	Hafnium(IV) sulfate, 99.9% (metals basis excluding Zr), Zr <1%
43205	Hexacarbonyltungsten, 97%
A17092	Holmium(III) sulfate hydrate, 99.9%
41748	Humic acid sodium salt, tech. 50-60% (as humic acid)
A10792	Hydrazine sulfate, 99+%
B22202	Hydroxylamine, 50% aq. soln.
A15398	Hydroxylamine hydrochloride, 99%
36416	Hydroxylamine hydrochloride, ACS, 96+%
88944	Hydroxylamine sulfate, 99%
40102	Indium(III) sulfate, anhydrous, 99.99% (metals basis)

42870	Indium(III) sulfate hydrate, 99.9% (metals basis)
30547	Iron(II) ethylenediammonium sulfate tetrahydrate, 99%
33316	Iron(III) sulfate hydrate, Reagent Grade
A15178	Iron(II) sulfate heptahydrate, 98%
14498	Iron(II) sulfate heptahydrate, ACS, 99+%
A10678	Lead(II) chromate, 98%
A14357	Lead(II) formate, 90+%
39339	Lead(II) metaborate monohydrate
39378	Lead(II) metavanadate, 99.9% (metals basis)
44784	Lead(II) sulfate, Reagent Grade
A19388	Lead(II) thiosulfate, 97%
39350	Lithium arsenate, 99%
47326	Lithium chromate, anhydrous, 97+%
47383	Lithium chromate dihydrate, 97%

47394	Lithium dichromate hydrate, 98+%
A16005	Lithium dodecylsulfate, 98%
A17432	Lithium formate hydrate, 98%
39370	Lithium metagallate, 99%
39355	Lithium periodate dihydrate, Reagent Grade
13404	Lithium sulfate, anhydrous, 99.7% (metals basis)
44352	Lithium sulfate, anhydrous, 99.99% (metals basis)
A10410	Lithium sulfate monohydrate, 99%
40503	Magnesium chromate hydrate, 99.8% (metals basis)
43807	Magnesium silicate, 99% (metals basis)
B22490	Magnesium silicate, activated, for chromatography, 60-100 mesh
39381	Magnesium sulfamate hydrate, 99%
33337	Magnesium sulfate, anhydrous, 99.5% min
L13739	Magnesium sulfate, dried, contains ca 1-2 mol water of hydration
A14491	Magnesium sulfate heptahydrate, 99+%
46114	Magnesium thiosulfate hexahydrate, 99%
33338	Magnesium trisilicate

36384	Manganese aluminide, 99.5% (metals basis)
38609	Manganese(II) naphthenate, 56% w/w in mineral spirits, 6-10% Mn
A11809	Manganese(II) sulfate monohydrate, 97%
A17615	Manganese(II) sulfate monohydrate, 99%
33341	Manganese(II) sulfate monohydrate, ACS, 98.0-101.0%
B22081	Manganese(II) sulfate tetrahydrate, 99% (metals basis)
A16330	Mercury(II) sulfate, 98+%
36286	Mercury(II) sulfate, ACS, 98.0% min
A17366	Neodymium(III) titanate
12519	Nickel ammonium sulfate hexahydrate
A18441	Nickel ammonium sulfate hexahydrate, 98%
19424	Nickel chromite
13801	Nickel(II) formate dihydrate
40501	Nickel(II) sulfamate, 50% w/w aq. soln., Reagent Grade
89020	Nickel(II) sulfamate hydrate

A10625	Phenylarsonic acid, 97%
40116	Phosphotungstic acid hydrate
39524	Potassium antimonate trihydrate, 94+%
89620	Potassium bis(oxalato)oxotitanate(IV) dihydrate
42898	Potassium bis(oxalato)oxotitanate(IV) hydrate, Puratronic®, 99.997% (metals basis)
47324	Potassium chromate, 99.9%
12610	Potassium chromate, ACS, 99.0% min
A18722	Potassium dichromate, 99%
13450	Potassium dichromate, ACS, 99.0% min
40322	Potassium fluorosulfate, 99.5%
44081	Potassium hexabromotellurate(IV), 99.99% (metals basis)
A12428	Potassium hydrogen sulfate, 97%
13800	Potassium hydrogen sulfate, fused, ACS, mixture of potassium pyrosulfate, K₂S₂O₇, and potassium bisulfate, KHSO₄
39506	Potassium manganate
43908	Potassium metabisulfite, 95+%
39501	Potassium metavanadate, 99.9% (metals basis)

39502	Potassium orthovanadate, 99.9% (metals basis)
A11308	Potassium periodate, 99%
22896	Potassium periodate, ACS, 99.8%-100.3%
A12170	Potassium permanganate, 98%
14307	Potassium permanganate, ACS, 99.0% min
36675	Potassium permanganate, low in mercury, ACS, 99.0% min
46939	Potassium peroxydisulfate, low nitrogen, ACS, 99.0% min
11411	Potassium perrhenate, 99% (metals basis), Re 64%
68111	Potassium selenate, 99.5% (metals basis)
39436	Potassium selenite
44493	Potassium silicate, anhydrous
B24447	Potassium sulfamate, 98%
A13975	Potassium sulfate, 99%
30485	Potassium sulfate, 99.99% (metals basis)
41959	Potassium tellurite monohydrate, 97%
31124	Potassium trioxalatoferrate(III) trihydrate
13499	Rubidium formate hydrate, 99.8% (metals basis)
39518	Rubidium hexafluoroarsenate(V), 98% (metals basis)

10567	Rubidium sulfate, 99.8% (metals basis)
13493	Rubidium sulfate, 99% (metals basis)
36720	Selenourea, 99%
A16324	Silver sulfate, 97+%
L09656	Sodium acetylide, ca 18% slurry in xylene
A16141	Sodium antimonate trihydrate, 98+%
A10547	Sodium chromate, anhydrous, 98%
A17499	Sodium chromate tetrahydrate, 99+%
13453	Sodium chromate tetrahydrate, Reagent Grade
L14890	Sodium dichromate dihydrate, 98%
36692	Sodium dichromate dihydrate, ACS, 99.5-100.5%
12611	Sodium dichromate dihydrate, Reagent Grade
36424	Sodium formate, ACS, 99.0% min
A11216	Sodium hexanitritocobaltate(III)
11667	Sodium hexanitritocobaltate(III), ACS

A18275	Sodium hydrogen arsenate heptahydrate, 98%
33373	Sodium hydrogen arsenate heptahydrate, ACS, 98.0-102.0%
A12173	Sodium hydrogen selenite, 96%
B25587	Sodium hydrogen sulfate, anhydrous, 90+%, remainder mainly sodium sulfate
13799	Sodium hydrogen sulfate monohydrate, Reagent Grade
33381	Sodium hydrosulfite, tech., 85+%
A17351	Sodium metabisulfite, 97%
40115	Sodium metabisulfite, ACS, 97% min
33375	Sodium metabisulfite, SO₂ 58.5% min
13798	Sodium metaperiodate, 98%
44309	Sodium metaperiodate, ACS, 99.8-100.3%
14106	Sodium metasilicate, anhydrous, tech.
14103	Sodium metasilicate pentahydrate, tech.
22534	Sodium metatungstate monohydrate
11092	Sodium metavanadate, typically 96%, V 38% min
17568	Sodium orthosilicate, (mixture of NaOH and Na₂SiO₃ yielding
A13536	Sodium paraperiodate, 98%, may cont. varying amounts of other periodate species

54100	Sodium peroxydisulfate, 98%
62107	Sodium perrhenate, 99.95% (metals basis)
11412	Sodium perrhenate, 99+% (metals basis), Re 68%
12613	Sodium selenate, anhydrous, 99.8+% (metals basis)
14239	Sodium selenate decahydrate, 99.9% (metals basis)
12585	Sodium selenite, anhydrous, 99% min, typically 99.75% min (metals basis)
A19890	Sodium sulfate, anhydrous, 99%
87611	Sodium sulfate, anhydrous, 99.99% (metals basis)
A15702	Sodium sulfate decahydrate, 99%
13454	Sodium sulfite, ACS, 98.0% min
A17933	Sodium sulfite, anhydrous, 98%
75106	Sodium tellurate(VI) hydrate, Te 45% min
A15633	Sodium tellurite(IV), 97%
41778	Sodium tellurite(IV), 99.5% (metals basis)
22375	Sodium tetrachloroaluminate
A17629	Sodium thiosulfate, anhydrous, 98+%
A17914	Sodium thiosulfate pentahydrate, 99+%
14518	Sodium thiosulfate pentahydrate, ACS, 99.5-101.0%

39647	Strontium aluminate, 99.5% (metals basis)
89026	Strontium chromate, 95%
39574	Strontium neodecanoate, Sr 16-21%
38373	Strontium sulfate, Reagent Grade
40342	Thallium(I) sulfate, 99.5% min (metals basis)
A17296	Thulium(III) sulfate octahydrate, 99.99%
11537	Tin(II) sulfate, 95.5% min
39664	Titanium(III) sulfate, 20% in 1-4% sulfuric acid

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B25035	Triphenylcarbenium hexachloroantimonate, 99%
39651	Tungstosilicic acid hydrate, Reagent Grade
A18178	Zinc chromate
B24210	Zinc formate, 98%
39554	Zinc naphthenate, ≈67% in mineral spirits (10% Zn)
41312	Zinc neodecanoate, Zn 17.9-18.2%
12586	Zinc selenite

A12915	Zinc sulfate heptahydrate, 98%
14160	Zinc sulfate monohydrate, Zn 35.5%
41041	Zirconium(IV) sulfate tetrahydrate, 98+% (metals basis)
43194	Zirconium(IV) sulfate tetrahydrate, 99.99% (metals basis)
30477	Zirconium silicate

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