

Inorganic Halides



Halides are inorganic compounds in which one part is a halogen atom with negative charge, and the other part is an element or radical that is more electropositive than the halogen. Metal halides are used in high-intensity discharge lamps. Metal halide lamps are also commonly used in greenhouses or in rainy climates to supplement natural sunlight. Silver halides are used in photographic films and papers. Halides are also used in solder paste, commonly as a Cl or Br equivalent.

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Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Тольятти (8482)63-91-07
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Тула (4872)33-79-87
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Bromates & Bromites



A bromate is a chemical compound that contains the bromate anion, BrO_3^- . Examples of bromates include sodium bromate, silver bromate, strontium bromate, calcium bromate, and potassium bromate. Bromates are used as valuable oxidizing agents and brominating agents in analytical chemistry. Silver bromate is an oxidant for converting tetrahydropyranyl ethers into carbonyl compounds. Potassium bromate is used in woolen textile finishing. Sodium bromate is effective as an additive for the finishing of metal surfaces by phosphoric acid.



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A11008 Barium bromate, 97%



A17964 Cadmium bromate hydrate, 98%



A18258 Potassium bromate, 99%



88592 Potassium bromate, Acculute Standard Volumetric Solution, Final Concentration 0.1N



40013 Potassium bromate, ACS, 99.8% min



35593 Potassium bromate/Potassium bromide, 0.1N Standardized Solution



14101 Sodium bromate, 99.5% (metals basis)

Inorganic Fluorides



The inorganic anion of fluorine (F⁻) is called fluoride. The fluoride ion can form various inorganic compounds such as calcium fluoride, sodium fluoride, aluminum fluoride, potassium fluoride and magnesium fluoride. Bifluorides are also known to form with metals. Fluoride ions occur on earth in several minerals, particularly fluorite. Sodium fluoride was the first chemical used for fluoridation. Salts of fluoride are widely used as important chemical reagents and industrial chemicals, mainly used in the production of hydrogen fluoride for fluorocarbons. Fluoride is the most bioavailable form of fluorine. Fluoride is necessary micronutrient for human health to prevent dental cavities and widely used as promoter for bone growth.









Fluoride is used in the manufacture of cryolite, Na₃AlF₆, which is required for aluminium smelting. Topical and systemic fluoride therapy is used for preventing tooth decay. Fluoride salts are commonly used in biological assay processing to inhibit the activity of serine/threonine phosphatases. Beryllium fluoride and aluminium fluoride are also used as phosphatase inhibitors. Bifluoride salts (HF₂⁻) are used to etch glass surface. Some examples of bifluoride salts are ammonium bifluoride and potassium bifluoride. In analytical chemistry, the lanthanum fluoride electrode, which is an ion selective electrode containing lanthanum fluoride and europium fluoride, is very sensitive to the concentration of fluoride ions.





























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	11497	Aluminum fluoride, anhydrous, 99+%
	36335	Aluminum fluoride, anhydrous, 99.5%
	44435	Aluminum fluoride, anhydrous, 99.99% (metals basis)
	10623	Aluminum fluoride hydrate, Puratronic®, 99.99% (metals basis)
	11496	Aluminum fluoride trihydrate, 97%
	A16279	Ammonium fluoride, 96%
	11568	Ammonium fluoride, ACS, 98.0% min
	40216	Ammonium fluoride hydrate, Puratronic®, 99.995% (metals basis)
	B20582	Ammonium hexafluoroaluminate, 98%
	39128	Ammonium hexafluoroaluminate, 99.8% (metals basis)
	43179	Ammonium hexafluorogermanate, 99.99% min (metals basis)
	69100	Ammonium hexafluorosilicate, 98%
	43184	Ammonium hexafluorosilicate, Puratronic®, 99.999% (metals basis)
	43192	Ammonium hexafluorotitanate, 99.99% (metals basis)





	L17237	Ammonium hydrogen fluoride, 95%, remainder mainly ammonium fluoride
	14660	Ammonium hydrogen fluoride, tech. 95%
	A14068	Antimony(III) fluoride, 98%
	11492	Antimony(III) fluoride, 99+%
	L16962	Antimony(V) fluoride compound with graphite, 1:1 mixture
	12338	Barium fluoride, 99%
	36380	Barium fluoride, 99.9% (metals basis)
	14057	Barium fluoride, Optical Grade
	10647	Barium fluoride, Puratronic®, 99.99% (metals basis)
	38610	Barium fluoride, ultra dry, 99.998% (metals basis)
	11844	Bismuth(III) fluoride, 99.999% (metals basis)
	13075	Bismuth(III) fluoride, anhydrous, 99%
	22874	Boron trifluoride, 99+%
	41796	Boron trifluoride diethyl etherate, 46.5% BF ₃ min, packaged under Argon in resealable ChemSeal [®] bottles
	42970	Boron trifluoride-dimethyl sulfide complex, purified, packaged under Argon in resealable ChemSeal [®] bottles
	40203	Cadmium fluoride, Puratronic®, 99.99% (metals basis)
	A10176	Calcium fluoride, 97%
	A10913	Calcium fluoride, 99%


















	11022	Calcium fluoride, 99%
	11055	Calcium fluoride, 99.5% (metals basis)
	10998	Calcium fluoride, 99.95% (metals basis)
	10681	Calcium fluoride, Puratronic®, 99.985% (metals basis)
	33297	Calcium fluoride, Reagent Grade, 97%
	35742	Calcium fluoride, ultra dry, 99.99% (metals basis)
	36377	Calcium fluoride, Vacuum Deposition Grade, 99.9% (metals basis)
	21118	Cerium(III) fluoride, 99.9% (REO)
	41408	Cerium(III) fluoride, anhydrous, 99.9% (REO)
	13662	Cerium(III) fluoride, anhydrous, REacton®, 99.9% (REO)
	40147	Cerium(III) fluoride trihydrate, 96% min
	38580	Cerium(IV) fluoride hydrate
	10019	Cesium fluoride, 99.9% (metals basis)
	12885	Cesium fluoride, 99% (metals basis)
	12121	Cesium fluoride, Puratronic®, 99.99% (metals basis)
	24107	Chromium(II) fluoride, 95%
	35741	Chromium(III) fluoride, 98%
	12339	Chromium(III) fluoride hydrate

















	13074	Cobalt(II) fluoride, anhydrous, 98%
	10693	Cobalt(II) fluoride tetrahydrate, Puratronic®, 99.99% (metals basis)
	35740	Cobalt(II) fluoride, ultra dry, 99.99% (metals basis)
	11490	Cobalt(III) fluoride, 99%
	11489	Copper(II) fluoride, anhydrous, 99.5%
	13076	Copper(II) fluoride dihydrate
	13001	Copper(II) fluoride hydrate, Puratronic®, 99.99% (metals basis)
	39736	Dihydrogen hexafluorotitanate, 60% w/w aq. soln.
	39461	Dihydrogen hexafluorozirconate, 20% w/w aq. soln.
	39462	Dihydrogen hexafluorozirconate, 45% w/w aq. soln.
	41409	Dysprosium(III) fluoride, anhydrous, 99.9% (REO)
	13656	Dysprosium(III) fluoride, anhydrous, REacton®, 99.9% (REO)
	11312	Erbium(III) fluoride, anhydrous, REacton®, 99.99% (REO)
	13653	Erbium(III) fluoride, anhydrous, REacton®, 99.9% (REO)
	41737	Europium(II) fluoride, anhydrous, 99.9% (metals basis)
	88181	Europium(III) fluoride, anhydrous, 99.5% (REO)
	11302	Europium(III) fluoride, anhydrous, REacton®, 99.98% (REO)
	13659	Europium(III) fluoride, anhydrous, REacton®, 99.9% (REO)



















	41412	Gadolinium(III) fluoride, anhydrous, 99.9% (REO)
	11293	Gadolinium(III) fluoride, anhydrous, REacton®, 99.99% (REO)
	13655	Gadolinium(III) fluoride, anhydrous, REacton®, 99.9% (REO)
	13987	Gallium(III) fluoride, 99.995% (metals basis)
	32112	Gallium(III) fluoride, anhydrous, 99.85% (metals basis)
	45061	Hafnium(IV) fluoride, 99.9% (metals basis)
	36392	Hafnium(IV) fluoride, 99.9% (metals basis excluding Zr), Zr 2-4%
	41413	Holmium(III) fluoride, anhydrous, 99.9% (REO)
	11278	Holmium(III) fluoride, anhydrous, REacton®, 99.99% (REO)
	40118	Indium(III) fluoride, anhydrous, 96%
	45525	Indium(III) fluoride, anhydrous, 99.95% (metals basis)
	40131	Indium(III) trifluoromethanesulfonate, 99% min
	11486	Iron(II) fluoride, anhydrous, 98%
	11487	Iron(III) fluoride, anhydrous, 97% min
	13068	Iron(III) fluoride trihydrate
	A16673	Lanthanum(III) fluoride, 99%
	41414	Lanthanum(III) fluoride, anhydrous, 99.9% (REO)
	11273	Lanthanum(III) fluoride, anhydrous, REacton®, 99.99% (REO)



















	13663	Lanthanum(III) fluoride, anhydrous, REacton®, 99.9% (REO)
	14061	Lanthanum(III) fluoride, Optical Grade
	88282	Lead(II) fluoride, 99% min
	10723	Lead(II) fluoride, Puratronic®, 99.997% (metals basis)
	39347	Lead(II) hexafluorosilicate dihydrate
	13070	Lead(IV) fluoride, 99%
	A11632	Lithium fluoride, 97%
	13406	Lithium fluoride, 98.5%
	36359	Lithium fluoride, 99.85% (metals basis)
	10986	Lithium fluoride, 99.98% (metals basis)
	14056	Lithium fluoride, Optical Grade, 99.5+%
	10736	Lithium fluoride, Puratronic®, 99.99% (metals basis)
	14463	Lithium fluoride, ultra dry, 99.99% (metals basis)
	38595	Lithium hexafluoroantimonate, 97%








	11530	Lithium hexafluoroarsenate(V), 99%
	39332	Lithium hexafluorosilicate
	44425	Lutetium(III) fluoride, 99.9% (metals basis)
	41415	Lutetium(III) fluoride, anhydrous, 99.9% (REO)
	14620	Lutetium(III) fluoride, REacton®, 99.9% (REO)
	36391	Magnesium fluoride, 99.9% (metals basis excluding Ca & Na), Ca+Na <1%
	35807	Magnesium fluoride, 99% (metals basis excluding Ca & Na), Ca+Na <1%
	A12830	Magnesium fluoride hydrate, min 87% MgF ₂
	11021	Magnesium fluoride, Optical Grade, 99.9% (metals basis)
	40755	Magnesium fluoride, Puratronic®, 99.99% (metals basis)
	A13189	Magnesium hexafluorosilicate hexahydrate, 98%
	89018	Magnesium hexafluorosilicate hydrate
	11527	Manganese(II) fluoride, 99%
	47109	Manganese(II) fluoride, Puratronic, 99.99% (metals basis)
	13069	Manganese(III) fluoride, 98% (metals basis)
	40130	Mercury(I) fluoride, 97+%
	11533	Mercury(II) fluoride, 95%

	22713	Molybdenum(VI) fluoride
	11246	Neodymium(III) fluoride, anhydrous, 99.9% (REO)
	13661	Neodymium(III) fluoride, anhydrous, REacton®, 99.9% (REO)
	13067	Nickel(II) fluoride, anhydrous, 97%
	14132	Nickel(II) fluoride tetrahydrate, 98+%
	10817	Nickel(II) fluoride tetrahydrate, Puratronic®, 99.99% (metals basis)
	87221	Niobium(V) fluoride, 99%
	39525	Phosphorus(III) fluoride, 99%
	10980	Potassium fluoride, 99.99% (metals basis)
	42217	Potassium fluoride, 99.9% (metals basis)
	42216	Potassium fluoride, ACS, 99% min
	14130	Potassium fluoride, anhydrous, 99%
	11555	Potassium fluoride dihydrate, 98.5+%
	10841	Potassium fluoride dihydrate, Puratronic®, 99.995% (metals basis)
	51110	Potassium heptafluoroniobate(V), 99.5%
	40316	Potassium heptafluorotantalate(V), 99.7%
	43733	Potassium heptafluorotantalate(V), 99.99% (metals basis)

	11532	Potassium hexafluoroarsenate(V), 99% (metals basis)
	89023	Potassium hexafluorosilicate, 98%
	44495	Potassium hexafluorosilicate, 99.999% (metals basis)
	A10915	Potassium hexafluorotitanate, 97%
	86102	Potassium hexafluorozirconate, 99%
	A13031	Potassium hydrogen fluoride, 98%
	11557	Potassium hydrogen fluoride, 99+% (metals basis)
	41418	Praseodymium(III) fluoride, anhydrous, 99.9% (metals basis)
	11241	Praseodymium(III) fluoride, anhydrous, REacton®, 99.9895% (REO)
	13658	Praseodymium(III) fluoride, anhydrous, REacton®, 99.9% (REO)
	47144	Rubidium fluoride, 99.1% (metals basis)
	12873	Rubidium fluoride, Puratronic®, 99.975% (metals basis)
	11226	Samarium(III) fluoride, anhydrous, REacton®, 99.99% (REO)
	13660	Samarium(III) fluoride, anhydrous, REacton®, 99.9% (REO)
	A13019	Sodium fluoride, 99%
	46912	Sodium fluoride, 99.99% (metals basis)

	11003	Sodium fluoride, 99.99% (metals basis)
	11561	Sodium fluoride, ACS, 99% min
	11023	Sodium fluoride, Optical Grade
	12964	Sodium fluoride, Puratronic®, 99.995% (metals basis excluding K), K ≈100ppm
	88275	Sodium hexafluoroaluminate, 97.8+%
	36345	Sodium hexafluoroaluminate, 99.4% (metals basis)
	44478	Sodium hexafluoroaluminate, 99.9% (metals basis)
	B20604	Sodium hexafluoroantimonate(V), 98%
	13066	Sodium hexafluoroantimonate(V), 99.5%
	88517	Sodium hexafluoroarsenate(V), 99%
	69106	Sodium hexafluorosilicate, 99+%
	B20776	Sodium trifluoromethanesulfonate, 98%
	12201	Strontium fluoride, 99% min
	11020	Strontium fluoride, Optical Grade
	10878	Strontium fluoride, Puratronic®, 99.99% (metals basis)
	14052	Tantalum(V) fluoride, 99.9% (metals basis)
	11213	Terbium(III) fluoride, anhydrous, REacton®, 99.99% (REO)
	13657	Terbium(III) fluoride, anhydrous, REacton®, 99.9% (REO)

	78111	Thallium(I) fluoride, 97%
	13652	Thulium(III) fluoride, anhydrous, 99.9% (REO)
	41422	Thulium(III) fluoride, anhydrous, 99.9% (REO)
	11204	Thulium(III) fluoride, anhydrous, REacton®, 99.99% (REO)
	11544	Tin(II) fluoride, 97.5%
	13063	Tin(IV) fluoride, 99% (metals basis)
	13079	Titanium(III) fluoride
	11540	Titanium(IV) fluoride, 98%
	39602	Tri-n-butyltin fluoride
	39600	Triphenyltin fluoride
	81115	Vanadium(III) fluoride, 98%
	11543	Vanadium(IV) fluoride, 95%
	39739	Xenon difluoride, 99.5% (metals basis)
	41423	Ytterbium(III) fluoride, anhydrous, 99.9% (REO)
	11189	Ytterbium(III) fluoride, anhydrous, REacton®, 99.99% (REO)
	13651	Ytterbium(III) fluoride, anhydrous, REacton®, 99.9% (REO)
	41424	Yttrium(III) fluoride, anhydrous, 99.9% (metals basis)
	11178	Yttrium(III) fluoride, anhydrous, REacton®, 99.99% (REO)

	13650	Yttrium(III) fluoride, anhydrous, REacton®, 99.9% (REO)
	11541	Zinc fluoride, anhydrous, 99% min
	12986	Zinc fluoride, Puratronic®, 99.995% (metals basis)
	14127	Zinc fluoride tetrahydrate, 98%
	86112	Zirconium(IV) fluoride, 98%
	39489	Zirconium(IV) fluoride, 99.9% (metals basis)
	11542	Zirconium(IV) fluoride, low hafnium, 99%, Hf <0.1%

Chlorates & Chlorites
















Chlorates are chemical compounds containing the anion having the formula ClO_3^- . In these compounds, chlorine atom is in the +5 oxidation state. Chlorates are the salts of chloric acid and are very strong oxidizers. Chlorates can be used as a source of oxygen. Mixtures of chlorate salts with virtually any combustible material (sugar, sawdust, metals, etc.) will readily deflagrate. Most pyrotechnic applications which formerly used chlorates in the past now use the more stable perchlorates instead. Sodium chlorate is used to manufacture chlorine oxide. Chlorates are used in the manufacture of dyes, matches, fireworks, disinfectants, and for tanning and finishing leather.






































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	11659	Aluminum perchlorate nonahydrate, Reagent Grade
	11658	Ammonium perchlorate, Reagent Grade
	11657	Barium perchlorate, anhydrous
	A17598	Barium perchlorate trihydrate, 99+%
	11656	Barium perchlorate trihydrate, Reagent Grade
	47372	Bismuth(III) perchlorate oxide hydrate, 96%
	12936	Cadmium perchlorate hexahydrate
	42548	Calcium hypochlorite, tech.
	11655	Calcium perchlorate hydrate, Reagent Grade
	11654	Cerium(III) perchlorate hexahydrate, Reagent Grade
	12308	Cesium perchlorate, Reagent Grade
	44320	Cobalt(II) perchlorate hexahydrate, 99.999% (metals basis)
	11652	Cobalt(II) perchlorate hexahydrate, Reagent Grade

	44319	Copper(II) perchlorate hexahydrate, 99.999% (metals basis)
	11651	Copper(II) perchlorate hexahydrate, Reagent Grade
	40574	Dysprosium(III) perchlorate hexahydrate, 50% w/w aq. soln., Reagent Grade
	40576	Erbium(III) perchlorate hexahydrate, 50% w/w in aq. soln., Reagent Grade
	40572	Europium(III) perchlorate hexahydrate, 50% w/w in aq. soln., Reagent Grade
	40571	Gadolinium(III) perchlorate hexahydrate, 50% w/w aq. soln., Reagent Grade
	45580	Gallium(III) perchlorate hydrate, 13.5-15.5% Ga
	40575	Holmium(III) perchlorate, 50% w/w aq. soln., Reagent Grade
	11642	Indium(III) perchlorate octahydrate, 99.9% (metals basis)
	11647	Iron(III) perchlorate hydrate, Reagent Grade
	11646	Iron(II) perchlorate hydrate, Reagent Grade
	11641	Lanthanum(III) perchlorate hexahydrate
	11640	Lead(II) perchlorate trihydrate, ACS, 97.0-102.0% Maximum level of impurities: pH of a 5% solution 3.0-5.0 at 25°, Insoluble matter 0.005%, Cl 0.01%, Fe 0.001%
	A16059	Lithium perchlorate, 98%
	44225	Lithium perchlorate, anhydrous, 99%
	44226	Lithium perchlorate, anhydrous, 99.99% (metals basis)
	11639	Lithium perchlorate, anhydrous, ACS, 95.0% min
	45923	Lithium perchlorate trihydrate, ACS, 63.0-68.0% LiClO ₄

	11638	Lithium perchlorate trihydrate, Reagent Grade
	11636	Magnesium perchlorate, ACS
	11635	Magnesium perchlorate hexahydrate, 99% (metals basis)
	44318	Manganese(II) perchlorate hexahydrate, 99.995% (metals basis)
	12309	Manganese(II) perchlorate hexahydrate, Reagent Grade
	11634	Mercury(II) perchlorate trihydrate, Reagent Grade
	40568	Neodymium(III) perchlorate, 50% w/w aq. soln., Reagent Grade
	11631	Nickel(II) perchlorate hexahydrate, Reagent Grade
	44316	Nickel(II) perchlorate hydrate, 99.998% (metals basis)
	A17075	Potassium chlorate, 99+%
	36494	Potassium chlorate, ACS, 99.0% min
	A11296	Potassium perchlorate, 99%
	11630	Potassium perchlorate, anhydrous, ACS, 99.0-100.5%
	40569	Praseodymium(III) perchlorate, 50% w/w aq. soln., Reagent Grade
	11628	Rubidium perchlorate, anhydrous, 99.5% (metals basis)
	40567	Samarium(III) perchlorate, 50% w/w aq. soln., Reagent Grade
	40579	Scandium(III) perchlorate, 50% w/w aq. soln., Reagent Grade

	14265	Sodium chlorite, tech. nominally 80%
	L14709	Sodium hypochlorite, 11-15% available chlorine
	33369	Sodium hypochlorite, 11-15% available chlorine
	47285	Sodium hypochlorite, 8-10% available chlorine
	11623	Sodium perchlorate, anhydrous, ACS, 98.0-102.0%
	A11243	Sodium perchlorate monohydrate, 97+%
	11622	Sodium perchlorate monohydrate, ACS, 85.0-90.0%
	45577	Strontium perchlorate trihydrate, 98%
	40573	Terbium(III) perchlorate, 50% w/w aq. soln., Reagent Grade
	44062	Tetraethylammonium perchlorate, 98% (dry wt.), cont. ca 10% water
	43999	Tetra-n-butylammonium perchlorate, electrochemical grade
	40565	Thulium(III) perchlorate, 50% w/w aq. soln., Reagent Grade
	40577	Ytterbium(III) perchlorate, 50% w/w aq. soln., Reagent Grade
	40580	Yttrium(III) perchlorate, 50% w/w aq. soln., Reagent Grade
	44315	Zinc perchlorate hexahydrate, 99.997% (metals basis)
	11614	Zinc perchlorate hexahydrate, Reagent Grade

Inorganic Iodides



Compounds with iodine in formal oxidation state $+1$ are called iodides. The iodide ion, I^- , is one of the largest monoatomic anions. Examples include ionic compounds such as cesium iodide, potassium iodide, magnesium iodide, zinc iodide and silver iodide. Iodide can function as a nucleophile and an antioxidant reducing species that can destroy reactive oxygen species such as hydrogen peroxide.














Iodide salts are mild reducing agents and many react with oxygen to give iodine. Iodide compounds are used in photography, lithography, electroplating, manufacture of phosphors, Grignard reactions, and cloud seeding. Magnesium iodide in the Baylis-Hillman reaction gives (Z)-vinyl compounds (Tietze, Lutz-Friedjan, et al., Domino Reactions in Organic Synthesis, Wiley-VCH, 2006, 59). Copper iodide is useful in the exchange of bromides attached to sp^2 carbon atom in organic compounds with iodides. NaI is useful in the aromatic Finkelstein reaction. Among halides, aryl iodides are preferred to form carbon-carbon and carbon-heteroatom bonds in process such as the Heck, Stille, Sonogashira and Suzuki coupling reactions. Cobalt(II) iodide is used as a catalyst in carbonylations. It catalyzes the reaction of diketene with Grignard reagents, useful for the synthesis of terpenoids. Strontium iodide finds use as a scintillation gamma radiation detector. Cesium iodide is often used as the input phosphor of an x-ray image intensifier tube, & as beam splitter in Fourier Transform Infrared (FT-IR) spectrometers. CuI is used in the detection of mercury vapors through visual color change into brown. Zinc iodide is often used as an x-ray opaque penetrant in industrial radiography






































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	30714	Aluminum iodide, 95%
	89185	Aluminum iodide, 99.99+% (metals basis)
	47170	Aluminum iodide, ultra dry, 99.999% (metals basis)
	A12498	Ammonium iodide, 98+%
	40255	Ammonium iodide, 99.995% (metals basis)
	11668	Ammonium iodide, ACS, 99.0% min
	35676	Antimony(III) iodide, ultra dry, 99.998% (metals basis)
	42831	Antimony(III) iodide, ultra dry, 99.999% (metals basis)
	45067	Arsenic(III) iodide, 98%
	41962	Arsenic(III) iodide, 99.999% (metals basis)
	47314	Barium iodide dihydrate, 98+%
	15126	Barium iodide hydrate, 95%
	35679	Barium iodide, ultra dry, 99.995% (metals basis)


















	47118	Barium iodide, ultra dry, 99.999% (metals basis)
	47309	Bismuth(III) iodide oxide, 98+%
	10656	Bismuth(III) iodide, Puratronic®, 99.999% (metals basis)
	35681	Bismuth(III) iodide, ultra dry, 99.998% (metals basis)
	87220	Boron triiodide, 95%
	A18079	Cadmium iodide, 98%
	13125	Cadmium iodide, 99.5% (metals basis)
	43442	Cadmium iodide, Puratronic®, 99.999% (metals basis)
	35683	Cadmium iodide, ultra dry, 99.9985% (metals basis)
	22395	Calcium iodide, anhydrous, 99.5% (metals basis)
	40136	Calcium iodide hydrate
	11117	Calcium iodide hydrate, Puratronic®, 99.9965% (metals basis)
	47121	Calcium iodide, ultra dry, 99.995% (metals basis)
	44254	Calcium iodide, ultra dry, 99.999% (metals basis)
	43674	Calcium iodide, ultra dry, 99.99% (metals basis)
	13641	Cerium(III) iodide, ultra dry, 99.9% (REO)
	10992	Cesium iodide, 99.999% (metals basis)

	10022	Cesium iodide, 99.9% (metals basis)
	35729	Cesium iodide, ultra dry, 99.998% (metals basis)
	23119	Cobalt(II) iodide, anhydrous, 99.5% (metals basis)
	35730	Cobalt(II) iodide, ultra dry, 99.999% (metals basis)
	47185	Cobalt(II) iodide, ultra dry, 99.999% (metals basis)
	11606	Copper(I) iodide, 98%
	43153	Copper(I) iodide, Puratronic®, 99.998% (metals basis)
	35693	Dysprosium(III) iodide, ultra dry, 99.99% (REO)
	43372	Erbium(III) iodide, anhydrous, REacton®, 99.99% (REO)
	35695	Erbium(III) iodide, ultra dry, 99.9% (REO)
	35735	Gadolinium(III) iodide, ultra dry, 99.99% (REO)
	47148	Gallium(III) iodide, ultra dry, 99.999% (metals basis)
	35699	Gallium(III) iodide, ultra dry, 99.999% (metals basis)
	14013	Germanium(II) iodide, 99.99% (metals basis)
	14009	Germanium(IV) iodide, 99.999% (metals basis)
	35733	Hafnium iodide, ultra dry, 98.5% (metals basis)
	44481	Hexaamminenickel(II) iodide, 99.999% (metals basis)
	13635	Holmium(III) iodide, ultra dry, 99.99% (REO)

	35700	Indium(I) iodide, ultra dry, 99.998% (metals basis)
	H56005	Iodine trichloride, 97%
	11485	Iron(II) iodide, anhydrous, 97% (metals basis)
	13619	Iron(II) iodide, ultra dry, 99.99% (metals basis)
	44548	Lanthanum(III) iodide, ultra dry, 99.995+% (metals basis)
	47184	Lanthanum(III) iodide, ultra dry, 99.99% (metals basis)
	35801	Lanthanum(III) iodide, ultra dry, 99.9% (REO)
	57103	Lead(II) iodide, 98.5%
	12724	Lead(II) iodide, 99.9985% (metals basis)
	44314	Lead(II) iodide, ultra dry, 99.999% (metals basis)
	41733	Lithium iodide, anhydrous, 98+%
	40666	Lithium iodide, anhydrous, 99.95% (metals basis)
	10738	Lithium iodide hydrate, Puratronic®, 99.995% (metals basis)
	42851	Lithium iodide, ultra dry, 99.999% (metals basis)
	13600	Lithium iodide, ultra dry, 99.999% (metals basis)
	44159	Lithium iodide, ultra dry, 99% (metals basis)
	14283	Magnesium iodide, ultra dry, 99.996% (metals basis)

	44310	Magnesium iodide, ultra dry, 99.996% (metals basis)
	32808	Manganese(II) iodide, anhydrous, 98%
	35710	Manganese(II) iodide, ultra dry, 99.99% (metals basis)
	47166	Manganese(II) iodide, ultra dry, 99.99% (metals basis)
	A16130	Mercury(II) iodide, 99+%
	12289	Mercury(II) iodide, ACS, 99.0% min (Assay-dried basis)
	39307	Mercury(II) potassium iodide
	47157	Neodymium(III) iodide, ultra dry, 99.9% (metals basis)
	22893	Nickel(II) iodide, anhydrous, 99.5% (metals basis)
	47293	Potassium iodide, 1:2 w/w soln. in distilled water
	A12704	Potassium iodide, 99%
	10978	Potassium iodide, 99.995% (metals basis)
	87627	Potassium iodide, 99.99% (metals basis)
	42857	Potassium iodide, 99.9% (metals basis)
	11601	Potassium iodide, ACS, 99.0% min
	10842	Potassium iodide, Puratronic®, 99.998% (metals basis)

	13676	Potassium iodide, ultra dry, 99.998% (metals basis)
	39385	Praseodymium(III) iodide, ultra dry, 99.9+% (REO)
	13497	Rubidium iodide, 99.8% (metals basis)
	22360	Samarium(II) iodide, 0.07 - 0.12M in THF, stab.
	47328	Samarium(II) iodide, ultra dry, 99.99% (REO)
	13687	Scandium(III) iodide, ultra dry, 99.999% (REO)
	44141	Silicon(IV) iodide, 99.999% (metals basis)
	87303	Silicon(IV) iodide, 99% (metals basis)
	11665	Sodium iodide, 99.9% (metals basis)
	A15480	Sodium iodide, 99+% (dry wt., water <1.5%)
	40196	Sodium iodide, ACS, 99.5% min
	10871	Sodium iodide hydrate, Puratronic®, 99.999% (metals basis)
	43447	Sodium iodide, ultra dry, 99.98% (metals basis)
	13604	Sodium iodide, ultra dry, 99.999% (metals basis)
	44766	Sodium iodide, ultra dry, 99.99% (metals basis)
	43374	Strontium iodide, anhydrous, 99.99% (metals basis)
	47268	Strontium iodide, anhydrous, 99% (metals basis)

	47367	Strontium iodide hexahydrate, 99%
	87795	Tellurium(IV) iodide, 99% (metals basis)
	13672	Terbium(III) iodide, ultra dry, 99.99% (REO)
	43001	Thallium(I) iodide, Puratronic®, 99.9995% (metals basis)
	35722	Thallium(I) iodide, ultra dry, 99.999% (metals basis)
	42094	Thulium(III) iodide, 99.9% (REO)
	39424	Thulium(III) iodide, ultra dry, 99.99% (REO)
	71112	Tin(II) iodide, 99+%
	14476	Tin(II) iodide, ultra dry, 99.999% (metals basis)
	71114	Tin(IV) iodide, 95%
	13617	Tin(IV) iodide, ultra dry, 99.998% (metals basis)
	40663	Titanium(IV) iodide, anhydrous, 99.9% (metals basis)
	35724	Titanium(IV) iodide, ultra dry, 99.99% (metals basis)
	35744	Yttrium(III) iodide, ultra dry, 99.9% (REO)
	11661	Zinc iodide, 98%
	35727	Zinc iodide, ultra dry, 99.995% (metals basis)
	17400	Zirconium(IV) iodide, 99%

Inorganic Bromides



Inorganic bromides are group of compounds that contain a bromide ion or ligand with an ionic charge of -1 , and a more electropositive element or radical. Bromide is commonly found in nature along with sodium chloride. Most metal bromides are water soluble; exceptions are bromides of copper, lead, mercury, and silver, which are very slightly soluble in water.















Potassium bromide and sodium bromide are the familiar bromides used in medicine as sedatives. Magnesium bromide, found in seawater, is a source of pure bromine. Silver bromide is one of the light-sensitive silver salts used in films, plates, and printing papers for photography. The bromide ion is antiepileptic, and bromide salts are still used as such, particularly in veterinary medicine. Bromide is used as treatment for bipolar disorder. Bromide is needed by eosinophils, which use it to generate antiparasitic brominating compounds such as hypobromite. The bromide ion is a water disinfectant byproduct when ozone, or possibly hypochlorite (bleach), is used as a disinfectant. The bromide ion itself is sometimes used as a water disinfectant because in water it forms hypobromous acid (HOBr), which is a strong disinfectant.






































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	11113	Aluminum bromide, 98%
	89065	Aluminum bromide, 99.997% (metals basis)
	47168	Aluminum bromide, ultra dry, 99.999% (metals basis)
	A16258	Ammonium bromide, 99%
	14257	Ammonium bromide, ACS, 99.0% min
	41573	Antimony(III) bromide, 99%
	41574	Antimony(III) bromide, 99.5% (metals basis)
	11686	Antimony(III) bromide, 99.995% (metals basis)
	16792	Barium bromide, anhydrous, 99%
	A16328	Barium bromide dihydrate, 98+%
	12197	Barium bromide dihydrate, 99.3%
	17112	Bismuth(III) bromide, 99% (metals basis)
	47175	Bismuth(III) bromide, anhydrous, 99.999% (metals basis)
	L14880	Boron tribromide, 1M soln. in dichloromethane

	H32785	Boron tribromide, 1M soln. in heptane
	35841	Boron tribromide, 99.99% (metals basis)
	35846	Boron tribromide, 99% min
	32960	Cadmium bromide, anhydrous, 98%
	44498	Cadmium bromide hydrate, 99.999% (metals basis)
	32958	Cadmium bromide tetrahydrate, Reagent Grade
	87893	Calcium bromide, anhydrous, 99.5%
	18820	Calcium bromide hydrate, 95%
	44497	Calcium bromide hydrate, 99.999% (metals basis)
	L00821	Carbon tetrabromide, 98% (dry wt.), may cont. up to ca 6% water
	44447	Cerium(III) bromide hydrate, 99%
	47194	Cerium(III) bromide, ultra dry, 99.99% (metals basis)
	87639	Cesium bromide, 99.999% (metals basis)
	12928	Cesium bromide, 99.9% (metals basis)
	13490	Cesium bromide, 99% (metals basis)
	24151	Chromium(III) bromide hexahydrate
	23149	Cobalt(II) bromide, anhydrous, 97%

	40225	Cobalt(II) bromide hydrate
	11605	Copper(I) bromide, 98%
	47211	Copper(I) bromide, 99%
	14258	Copper(II) bromide, 98+%
	A16335	Copper(II) bromide, 99%
	32731	Cyanogen bromide
	47127	Dysprosium(III) bromide, ultra dry, 99.99% (metals basis)
	32107	Gallium(III) bromide, anhydrous
	40219	Germanium(IV) bromide, 99.999% (metals basis)
	A19514	Gold(III) bromide, 99%
	44482	Hexaamminenickel(II) bromide, 99.999% (metals basis)
	40126	Indium(III) bromide, anhydrous, 99.99% (metals basis)
	A16158	Iodine monobromide, 98%
	39106	Iodine monobromide, 98% min
	31154	Iron(II) bromide, anhydrous, 98% min
	31133	Iron(II) bromide hydrate
	31125	Iron(III) bromide, anhydrous, 98+%
	13198	Lanthanum(III) bromide hydrate, REacton®, 99.99% (REO)

	A19406	Lead(II) bromide, 98+%
	40657	Lithium bromide, anhydrous, 99.995% (metals basis)
	43746	Lithium bromide, anhydrous, 99.99% (metals basis)
	13408	Lithium bromide, anhydrous, 99% min
	47190	Lutetium(III) bromide, ultra dry, 99.99% (metals basis)
	46120	Magnesium bromide hexahydrate, 98+%
	A18321	Manganese(II) bromide, anhydrous, 95%
	32736	Manganese(II) bromide, anhydrous, 99%, H ₂ O <0.3%
	40245	Manganese(II) bromide hydrate, 98%
	44443	Manganese(II) bromide hydrate, 99.9% (metals basis)
	44816	Mercury(II) bromide, ACS
	53115	Nickel(II) bromide, anhydrous, 99%
	40242	Nickel(II) bromide trihydrate, 98%
	40191	Phosphorus(III) bromide, 99% (metals basis)
	L13638	Phosphorus tribromide, 98%
	B22481	Phosphorus(V) bromide, 95%

	56135	Phosphorus(V) oxybromide, 98% min
	A16339	Potassium bromide, 99+%
	10982	Potassium bromide, 99.92% (metals basis)
	12612	Potassium bromide, ACS, 99% min
	45548	Potassium tetrabromoplatinate(II), 99.9% (metals basis)
	12891	Rubidium bromide, 99.8% (metals basis)
	A18191	Samarium(III) bromide hexahydrate, 99.99%
	47199	Scandium(III) bromide, ultra dry, 99.99% (metals basis)
	40240	Selenium(IV) bromide, 99+%
	14029	Silicon(IV) bromide
	14037	Sodium bromide, 97%
	87604	Sodium bromide, 99.99% (metals basis)
	A10552	Sodium bromide, 99+% (dry wt.), water <1.0%
	36444	Sodium bromide, ACS, 99.0% min
	16791	Strontium bromide, anhydrous, 99% (metals basis excluding Ba), Ba 0.1% max
	72105	Strontium bromide hexahydrate, 95%
	B22553	Strontium bromide hexahydrate, 99%
	14041	Tantalum(V) bromide, 99.9% (metals basis)

	75101	Tellurium(IV) bromide, 99.9% (metals basis)
	11841	Thallium(I) bromide, 99.999% (metals basis)
	L15648	Thionyl bromide, 97%
	47196	Thulium(III) bromide, ultra dry, 99.99% (REO)
	43430	Tin(II) bromide, 99.2%
	71120	Tin(IV) bromide, 99%
	39592	Titanium(IV) bromide, 98%
	81135	Vanadium(III) bromide, 99.5% (metals basis)
	40413	Zinc bromide, 99.9% (metals basis)
	B22510	Zinc bromide, anhydrous, 98%
	44223	Zinc bromide, anhydrous, 99.999% (metals basis)
	44230	Zinc bromide hydrate, 99.9% (metals basis)
	86139	Zirconium(IV) bromide, 99%

Iodates & Iodites

















Iodates are a class of chemical compounds containing a IO_3^- group. An iodate is a conjugate base of iodic acid. Examples are sodium iodate (NaIO_3), silver iodate (AgIO_3), and calcium iodate ($\text{Ca}(\text{IO}_3)_2$). Potassium hydrogen iodate ($\text{KH}(\text{IO}_3)_2$) is a double salt of potassium iodate and iodic acid. Iodate salts are used in the iodine clock reaction. Potassium iodate has been issued as a prophylaxis against radioiodine absorption, & to protect against accumulation of radioactive iodine in the thyroid.



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	14531	Ammonium iodate, 99%
	40138	Calcium iodate monohydrate, 99+%
	89459	Copper iodate, anhydrous, 95%
	39355	Lithium periodate dihydrate, Reagent Grade
	35600	Potassium hydrogen iodate, 0.025N Standardized Solution
	41986	Potassium hydrogen iodate, primary standard, ACS, 99.95-100.05%
	35586	Potassium iodate, 0.1N Standardized Solution
	A16162	Potassium iodate, 98%
	88605	Potassium iodate, Acculute Standard Volumetric Solution, Final Concentration 0.1N
	11602	Potassium iodate, ACS, 99.4-100.4%
	A11308	Potassium periodate, 99%
	22896	Potassium periodate, ACS, 99.8%-100.3%
	40109	Silver iodate, 98%
	40135	Sodium iodate, 99% min

Inorganic Chlorides



Chlorine forms compounds with the other halogens and with oxygen; when chlorine is the more electronegative element in the compound, the compound is called a chloride. The salts of hydrochloric acid contain chloride ions and can also be called chlorides. The word chloride can also refer to a chemical compound in which one or more chlorine atoms are covalently bonded in the molecule. The simplest example of an inorganic covalently bonded chloride is hydrogen chloride, HCl. Chloride is also a useful and reliable chemical indicator of river / groundwater fecal contamination, as chloride is a non-reactive solute and ubiquitous to sewage & potable water. A chloride ion is also the prosthetic group present in the Amylase molecule.















A chloride test measures the level of chloride in human blood or urine. Chloride is one of the most important electrolytes in the blood. It helps keep the amount of fluid inside and outside of your cells in balance. It also helps maintain proper blood volume, blood pressure, and pH of human body fluids. Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride, potassium chloride, calcium chloride and ammonium chloride. Most chloride salts are readily soluble in water, but mercurous chloride (calomel) and silver chloride are insoluble, and lead chloride is only slightly soluble. Some chlorides such as antimony chloride and bismuth chloride decompose in water, forming oxychlorides. Many metal chlorides can be melted without decomposition; two exceptions are the chlorides of gold and platinum. Most metal chlorides conduct electricity when fused or dissolved in water and can be decomposed by electrolysis to chlorine gas and the metal.



































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	L18489	Aluminum chloride, 98+%, extra pure, anhydrous powder
	89914	Aluminum chloride, anhydrous, 95+%
	88488	Aluminum chloride, anhydrous, 99.985% (metals basis)
	44470	Aluminum chloride, anhydrous, 99.999% (metals basis)
	A11892	Aluminum chloride, anhydrous, granular, 99%
	12298	Aluminum chloride, anhydrous, Reagent Grade
	A14437	Aluminum chloride hexahydrate, 99%
	10622	Aluminum chloride hexahydrate, Puratronic®, 99.9995% (metals basis)
	12297	Aluminum chloride hexahydrate, Reagent Grade
	44313	Aluminum chloride, ultra dry, 99.999% (metals basis)
	14552	Aluminum chloride, ultra dry, 99.99% (metals basis)
	A15000	Ammonium chloride, 98+%
	10632	Ammonium chloride, Puratronic®, 99.999% (metals basis)
	39127	Ammonium copper(II) chloride dihydrate



















	A15152	Ammonium hexachlorostannate(IV), 98%
	40750	Ammonium hexachlorostannate(IV), Puratronic®, 99.999% (metals basis)
	A11944	Antimony(III) chloride, 99+%
	41537	Antimony(III) chloride, 99.9% (metals basis)
	36281	Antimony(III) chloride, ACS, 99.0% min
	40372	Antimony(III) chloride, Puratronic®, 99.999% (metals basis)
	43449	Antimony(III) chloride, ultra dry, 99.999% (metals basis)
	41978	Antimony(V) chloride, 99%
	17570	Antimony(V) chloride, 99.997% (metals basis)
	35677	Antimony(V) chloride, ultra dry, 99.999% (metals basis)
	11681	Arsenic(III) chloride, 99.999% (metals basis)
	31499	Arsenic(III) chloride, Reagent Grade
	10995	Barium chloride, anhydrous, 99.998% (metals basis)
	A12905	Barium chloride dihydrate, 99+%
	10646	Barium chloride dihydrate, Puratronic®, 99.997% (metals basis)
	14549	Barium chloride, ultra dry, 99.95% (metals basis)
	13686	Barium chloride, ultra dry, 99.998% (metals basis)
	A10510	Bismuth(III) chloride, 97+% (dry wt.), may cont. up to 3% water


















	89485	Bismuth(III) chloride, anhydrous, 99.999% (metals basis)
	17115	Bismuth(III) chloride, anhydrous, 99.9% (metals basis)
	11843	Bismuth(III) chloride oxide, 99.999% (metals basis)
	35680	Bismuth(III) chloride, ultra dry, 99.997+% (metals basis)
	H32751	Boron trichloride, 1M soln. in dichloromethane, stab.
	H32833	Boron trichloride, 1M soln. in hexanes, mixed isomers
	11860	Cadmium chloride, anhydrous, 99.99% (metals basis)
	36629	Cadmium chloride, anhydrous, ACS, 99.0% min
	12373	Cadmium chloride hemipentahydrate, ACS, 79.5-81.0%
	20129	Cadmium chloride hydrate, 99.99% (metals basis)
	10661	Cadmium chloride hydrate, Puratronic®, 99.998% (metals basis)
	42852	Cadmium chloride, ultra dry, 99.996% (metals basis)
	13667	Cadmium chloride, ultra dry, 99.998% (metals basis)
	35728	Cadmium chloride, ultra dry, 99.9% (metals basis)
















	L13191	Calcium chloride, dried, powder, 97%
	10680	Calcium chloride hydrate, Puratronic®, 99.9965% (metals basis)
	35686	Calcium chloride, ultra dry, 99.99% (metals basis)
	44280	Calcium chloride, ultra dry, 99.99% (metals basis)
	35685	Calcium chloride, ultra dry, 99.9% (metals basis)
	21112	Cerium(III) chloride, anhydrous, 99.5% (REO)
	A12947	Cerium(III) chloride heptahydrate, 99%
	11325	Cerium(III) chloride hydrate, REacton®, 99.9% (REO)
	35688	Cerium(III) chloride, ultra dry, 99.9% (REO)
	10993	Cesium chloride, 99.999% (metals basis)
	89188	Cesium chloride, 99.999+% (metals basis)
	87640	Cesium chloride, 99.99% (metals basis)
	12886	Cesium chloride, 99% (metals basis)
	35690	Cesium chloride, ultra dry, 99.998% (metals basis)
	43720	Cesium chloride, ultra dry, 99.99% (metals basis)
	42832	Cesium chloride, ultra dry, 99.9% (metals basis)
	35689	Cesium chloride, ultra dry, 99.9% (metals basis)
	47176	Chromium(II) chloride, 99.9% (metals basis)

















	L14342	Chromium(II) chloride, anhydrous, 97%
	12336	Chromium(III) chloride, anhydrous, 98%
	35691	Chromium(III) chloride, anhydrous, 99.9% (metals basis)
	42113	Chromium(III) chloride hexahydrate, 98%
	42114	Chromium(III) chloride hexahydrate, 99.5% min
	10686	Chromium(III) chloride hexahydrate, Puratronic®, 99.998% (metals basis)
	40517	Chromyl chloride, 99.99% (metals basis)
	B22031	Cobalt(II) chloride, anhydrous, 97%
	12303	Cobalt(II) chloride, anhydrous, 99.7% (metals basis)
	A16346	Cobalt(II) chloride hexahydrate, 98%
	11344	Cobalt(II) chloride hexahydrate, 99.9% (metals basis)
	10692	Cobalt(II) chloride hexahydrate, Puratronic®, 99.998% (metals basis)
	13665	Cobalt(II) chloride, ultra dry, 99.998% (metals basis)
	13666	Cobalt(II) chloride, ultra dry, 99.9% (metals basis)
	11871	Copper(I) chloride, 97%
	14644	Copper(I) chloride, 99.999% (metals basis)
	41837	Copper(I) chloride, 99% (metals basis)
	12457	Copper(II) chloride, anhydrous, 98% min



















	A16064	Copper(II) chloride dihydrate, 99%
	12458	Copper(II) chloride dihydrate, ACS, 99+%
	10698	Copper(II) chloride hydrate, Puratronic®, 99.999% (metals basis)
	35673	Copper(II) chloride, ultra dry, 99.995% (metals basis)
	A17138	Di-n-butylgermanium dichloride, 97%
	11317	Dysprosium(III) chloride hydrate, 99.99% (REO)
	11316	Dysprosium(III) chloride hydrate, 99.9% (REO)
	35692	Dysprosium(III) chloride, ultra dry, 99.98% (REO)
	47114	Dysprosium(III) chloride, ultra dry, 99.99% (REO)
	89917	Erbium(III) chloride, anhydrous, 99.9% (metals basis)
	11305	Erbium(III) chloride hydrate, REacton®, 99.99% (REO)
	11304	Erbium(III) chloride hydrate, REacton®, 99.9% (REO)
	35739	Erbium(III) chloride, ultra dry, 99.9% (REO)
	11297	Europium(III) chloride hydrate, REacton®, 99.99% (REO)














	11298	Europium(III) chloride hydrate, REacton®, 99.9% (REO)
	35738	Europium(III) chloride, ultra dry, 99.99% (REO)
	11287	Gadolinium(III) chloride hexahydrate, REacton®, 99.99% (REO)
	11286	Gadolinium(III) chloride hexahydrate, REacton®, 99.9% (REO)
	35736	Gadolinium(III) chloride, ultra dry, 99.99% (REO)
	35696	Gallium(II) chloride, ultra dry, 99.999% (metals basis)
	45026	Gallium(III) chloride, ultra dry, 99.999% (metals basis)
	35698	Gallium(III) chloride, ultra dry, 99.999% (metals basis)
	43879	Gallium(III) chloride, ultra dry, 99.999% (metals basis)
	10509	Germanium(IV) chloride, 99.9999% (metals basis)
	10705	Hafnium dichloride oxide octahydrate, Puratronic®, 99.998% (metals basis excluding Zr), Zr <1%
	11834	Hafnium(IV) chloride, 98+% (metals basis excluding Zr), Zr <2.7%
	45612	Hafnium(IV) chloride, 99.9% (metals basis), Zr<0.5%
	13769	Hexaamminecobalt(III) chloride, 97%
	A15470	Hexaamminecobalt(III) chloride, 99%
	B23886	Hexaammineruthenium(II) chloride, 99.9%
	18681	Holmium(III) chloride, anhydrous, 99.9% (metals basis)
	11277	Holmium(III) chloride hexahydrate, REacton®, 99.9% (REO)














	11276	Holmium(III) chloride hydrate, REacton®, 99.99% (REO)
	47178	Holmium(III) chloride, ultra dry, 99.95% (metals basis)
	H27347	Hydrogen chloride, 1M in acetic acid
	H27125	Hydrogen chloride, 1M in diethyl ether
	H26914	Hydrogen chloride, 2M in diethyl ether
	44605	Hydrogen chloride, nominally 2.5M in ethanol
	40033	Indium(I) chloride, anhydrous, 99.995% (metals basis)
	10707	Indium(I) chloride, Puratronic®, 99.999% (metals basis)
	L18758	Indium(III) chloride, anhydrous, 98+%
	11856	Indium(III) chloride, anhydrous, 99.999% (metals basis)
	41977	Indium(III) chloride, anhydrous, 99.99% (metals basis)
	11859	Indium(III) chloride hydrate, 99.99% (metals basis)
	44349	Indium(III) chloride, ultra dry, 99.999% (metals basis)
	39104	Iodine monochloride
	H31938	Iodine monochloride, 1M soln. in dichloromethane
	44348	Iodine monochloride, ACS
	42647	Iodine monochloride, approx. 0.22N soln. in glacial acetic acid


















	31141	Iron(II) chloride, anhydrous, 99.5% (metals basis)
	12484	Iron(II) chloride hydrate, Reagent Grade, 99%
	A16327	Iron(II) chloride tetrahydrate, 98%
	35701	Iron(II) chloride, ultra dry, 99.99% (metals basis)
	12357	Iron(III) chloride, anhydrous, 98%
	A16231	Iron(III) chloride hexahydrate, 97%
	87911	Lanthanum(III) chloride, anhydrous, 99.9% (REO)
	A15575	Lanthanum(III) chloride heptahydrate, 99%
	12916	Lanthanum(III) chloride heptahydrate, ACS
	11268	Lanthanum(III) chloride heptahydrate, REacton®, 99.9% (REO)
	43120	Lanthanum(III) chloride hydrate, 99.9% (REO)
	44322	Lanthanum(III) chloride, ultra dry, 99.99% (metals basis)
	35731	Lanthanum(III) chloride, ultra dry, 99.99% (REO)
	35702	Lanthanum(III) chloride, ultra dry, 99.9% (REO)
	10722	Lead(II) chloride, Puratronic®, 99.999% (metals basis)

















	12349	Lead(II) chloride, Reagent Grade, 99%
	35704	Lead(II) chloride, ultra dry, 99.999% (metals basis)
	42841	Lead(II) chloride, ultra dry, 99.999% (metals basis)
	A10531	Lithium chloride, anhydrous, 98+%
	10515	Lithium chloride, anhydrous, 99%
	10735	Lithium chloride hydrate, Puratronic®, 99.996% (metals basis)
	22151	Lithium chloride monohydrate, 99.95% (metals basis)
	18206	Lithium chloride-potassium chloride
	44762	Lithium chloride, ultra dry, 99.995% (metals basis)
	13684	Lithium chloride, ultra dry, 99.995% (metals basis)
	42842	Lithium chloride, ultra dry, 99.9% (metals basis)
	14540	Lithium chloride, ultra dry, 99.9% (metals basis)
	20620	Lithium tetrachlorocuprate, 0.1M in THF
	18685	Lutetium(III) chloride, anhydrous, 99.9% (REO)
	11260	Lutetium(III) chloride hexahydrate, REacton®, 99.9% (REO)
	35802	Lutetium(III) chloride, ultra dry, 99.98% (REO)



















	A14608	Magnesium chloride anhydrous, 99%
	12315	Magnesium chloride, anhydrous, 99%
	12288	Magnesium chloride hexahydrate, 97+%
	36226	Magnesium chloride hexahydrate, ACS, 99.0-102.0%
	10797	Magnesium chloride hexahydrate, Puratronic®, 99.999% (metals basis)
	35709	Magnesium chloride, ultra dry, 99.99% (metals basis)
	42850	Magnesium chloride, ultra dry, 99.99% (metals basis)
	42843	Magnesium chloride, ultra dry, 99.9% (metals basis)
	35707	Magnesium chloride, ultra dry, 99.9% (metals basis)
	A10582	Magnesium potassium chloride
	11868	Manganese(II) chloride, 97%
	44442	Manganese(II) chloride tetrahydrate, 99.99% (metals basis)
	11563	Manganese(II) chloride tetrahydrate, 99% (metals basis)
	10804	Manganese(II) chloride tetrahydrate, Puratronic®, 99.999% (metals basis)
	14697	Manganese(II) chloride, ultra dry, 99.998% (metals basis)
	14464	Manganese(II) chloride, ultra dry, 99.99% (metals basis)
	42844	Manganese(II) chloride, ultra dry, 99.99% (metals basis)
	87240	Mercury(I) chloride, 99.5%



















	36419	Mercury(I) chloride, ACS, 99.5% min
	A17472	Mercury(II) chloride, 98+%
	12274	Mercury(II) chloride, ACS, 99.5% min
	10808	Mercury(II) chloride, Puratronic®, 99.999% (metals basis)
	33553	Methylmercury(II) chloride, standard solution in H ₂ O, Methylmercury(II) chloride 1000ppm by AA
	14034	Molybdenum(III) chloride, 99.5% (metals basis)
	11832	Molybdenum(V) chloride, 99.6% (metals basis)
	18680	Neodymium(III) chloride, anhydrous, 99.9% (REO)
	11252	Neodymium(III) chloride hydrate, REacton®, 99.99% (REO)
	11251	Neodymium(III) chloride hydrate, REacton®, 99.9% (REO)
	14282	Neodymium(III) chloride, ultra dry, 99.99% (REO)
	B22085	Nickel(II) chloride, anhydrous, 98%
	43441	Nickel(II) chloride, anhydrous, 99.99% (metals basis)
	14687	Nickel(II) chloride, anhydrous, 99% (metals basis)














	53131	Nickel(II) chloride hexahydrate, 99.95% (metals basis)
	43185	Nickel(II) chloride hexahydrate, Puratronic®, 99.999% (metals basis)
	10815	Nickel(II) chloride hydrate, Puratronic®, 99.995% (metals basis)
	35713	Nickel(II) chloride, ultra dry, 99.9% (metals basis)
	35795	Niobium(V) chloride, 99.95% (metals basis)
	11548	Niobium(V) chloride, 99.9% (metals basis)
	51108	Niobium(V) chloride, 99% (metals basis)
	43729	Niobium(V) chloride, Puratronic®, 99.999% (metals basis)
	37113	Phenylmercury(II) chloride, 96%, Hg 63.5%
	A12751	Phenylselenenyl chloride, 98%
	71157	Phenyltin trichloride
	44436	Phosphorus(III) chloride, 98% min
	22988	Phosphorus(III) chloride, 99.997% (metals basis)
	10523	Phosphorus(V) chloride, 98%
	11849	Phosphorus(V) chloride, 99.99% (metals basis)
	A16549	Platinum(II) chloride, 98%



















	43398	Potassium chloride, 3M aq. soln.
	A11662	Potassium chloride, 99%
	87626	Potassium chloride, 99.995% (metals basis)
	J64189	Potassium chloride, 99%, Molecular Biology Grade
	10839	Potassium chloride, Puratronic®, 99.997% (metals basis)
	14466	Potassium chloride, ultra dry, 99.95% (metals basis)
	13682	Potassium chloride, ultra dry, 99.998% (metals basis)
	62113	Potassium hexachlororhenate(IV), 99.9% (metals basis)
	B23292	Potassium tetrachloroaurate(III) hydrate, 99%
	11237	Praseodymium(III) chloride hydrate, REacton®, 99.9% (REO)
	H37815	Praseodymium(III) chloride, ultra dry, 99.95% (REO)
	39386	Praseodymium(III) chloride, ultra dry, 99.99% (REO)
	13230	Rhenium(III) chloride
	47316	Rhenium(III) chloride, Puratronic®, 99.99%
	43294	Rhenium(V) chloride, 99.9% (metals basis)
	46523	Rhodium(III) chloride solution, 99.5% (metals basis), Rh 10-30% w/w (cont. Rh)
	10563	Rubidium chloride, 99.8% (metals basis)
	12892	Rubidium chloride, 99% (metals basis)

	10851	Rubidium chloride, Puratronic®, 99.975% (metals basis)
	47182	Ruthenium(III) chloride, anhydrous, Ru 47.7% min
	89916	Samarium(III) chloride, anhydrous, 99.9% (REO)
	11232	Samarium(III) chloride hydrate, REacton®, 99.99% (REO)
	11231	Samarium(III) chloride hydrate, REacton®, 99.9% (REO)
	35804	Samarium(III) chloride, ultra dry, 99.9% (REO)
	18677	Scandium(III) chloride, anhydrous, 99.9% (REO)
	11219	Scandium(III) chloride hexahydrate, REacton®, 99.99% (REO)
	11218	Scandium(III) chloride hexahydrate, REacton®, 99.9% (REO)
	40239	Selenium(I) chloride, 99%
	13096	Selenium(IV) chloride, 99.5% (metals basis)
	40148	Silicon(IV) chloride, 99.998% (metals basis)
	69182	Silicon(IV) chloride, 99% (metals basis)
	44637	Silicon surface sensitizer, Gold chloride 0.5%
	87605	Sodium chloride, 99.99% (metals basis)
	J21618	Sodium chloride, ACS, 99+%, Ultrapure, Thermo Scientific

	A12313	Sodium chloride, crystalline powder PDV, 99+%
	10862	Sodium chloride, Puratronic®, 99.998% (metals basis)
	43631	Sodium chloride, Spectroscopy Grade
	13683	Sodium chloride, ultra dry, 99.998% (metals basis)
	35716	Sodium chloride, ultra dry, 99.99% (metals basis)
	12202	Strontium chloride, anhydrous, 95%
	16790	Strontium chloride, anhydrous, 99.5% (metals basis)
	A16764	Strontium chloride hexahydrate, 98%
	33393	Strontium chloride hexahydrate, ACS, 99.0-103.0%
	10877	Strontium chloride hexahydrate, Puratronic®, 99.9965% (metals basis)
	12494	Strontium chloride hexahydrate, tech.
	35719	Strontium chloride, ultra dry, 99.995% (metals basis)
	H31899	Sulfuryl chloride, 1M soln. in dichloromethane
	89411	Sulfuryl chloride, 97%
	14164	Tantalum(V) chloride, 99.8% (metals basis)
	43731	Tantalum(V) chloride, anhydrous, Puratronic®, 99.995% (metals basis)
	14708	Tantalum(V) chloride, Puratronic®, 99.99% (metals basis)
	10880	Tantalum(V) chloride, Puratronic®, 99.99% (metals basis)

	12284	Tellurium(IV) chloride, 99.9% (metals basis)
	41678	Terbium(III) chloride, anhydrous, 99.9% (REO)
	44472	Terbium(III) chloride hexahydrate, REacton®, 99.999% (metals basis)
	11210	Terbium(III) chloride hexahydrate, REacton®, 99.99% (REO)
	11209	Terbium(III) chloride hexahydrate, REacton®, 99.9% (REO)
	35798	Terbium(III) chloride, ultra dry, 99.99% (REO)
	11839	Thallium(I) chloride, 99.999% (metals basis)
	35721	Thallium(I) chloride, ultra dry, 99.999% (metals basis)
	H31857	Thionyl chloride, 1M soln. in dichloromethane
	41868	Thionyl chloride, 99%
	11201	Thulium(III) chloride hydrate, REacton®, 99.99% (REO)
	11200	Thulium(III) chloride hydrate, REacton®, 99.9% (REO)
	A16202	Tin(II) chloride, anhydrous, 98%
	41960	Tin(II) chloride, anhydrous, 99% min
	A14610	Tin(II) chloride dihydrate, 98%
	44409	Tin(II) chloride dihydrate, ACS, 98.0-103.0%
	11536	Tin(II) chloride dihydrate, Reagent Grade
	10894	Tin(II) chloride hydrate, Puratronic®, 99.995% (metals basis)

	35723	Tin(II) chloride, ultra dry, 99.9985% (metals basis)
	71203	Tin(IV) chloride, 99.99% (metals basis)
	11571	Tin(IV) chloride, anhydrous, 98% (metals basis)
	11570	Tin(IV) chloride hydrate, 98%
	36729	Titanium(III) chloride-Aluminum(III) chloride, TiCl_3 76.0-78.5%
	H31830	Titanium(IV) chloride, 1M soln. in dichloromethane
	14713	Titanium(IV) chloride, 99.0% min, typically 99.6%
	22979	Titanium(IV) chloride, 99.99% (metals basis)
	12337	Tungsten(VI) chloride, 99%
	14039	Vanadium(III) chloride, 99% (metals basis)
	42816	Ytterbium(III) chloride, 35% min w/w aq. soln., 99.9% (REO)
	11194	Ytterbium(III) chloride hydrate, REacton®, 99.99% (REO)
	11193	Ytterbium(III) chloride hydrate, REacton®, 99.9% (REO)
	40653	Ytterbium(III) chloride, ultra dry, 99.99% (REO)

	18682	Yttrium(III) chloride, anhydrous, 99.9% (REO)
	11185	Yttrium(III) chloride hydrate, REacton®, 99.99% (REO)
	11184	Yttrium(III) chloride hydrate, REacton®, 99.9% (REO)
	35743	Yttrium(III) chloride, ultra dry, 99.99% (REO)
	H32962	Zinc chloride, 0.7M soln. in THF
	H54398	Zinc chloride, 1.9M in 2-MeTHF
	19808	Zinc chloride, 1M in diethyl ether
	42781	Zinc chloride, 1M in diethyl ether, packaged under Argon in resealable ChemSeal [®] bottles
	A16281	Zinc chloride, anhydrous, 98+%
	87900	Zinc chloride, anhydrous, 99.95% (metals basis)
	41247	Zinc chloride hydrate, 99.99% (metals basis)
	35782	Zinc chloride hydrate, Puratronic®, 99.999% (metals basis)
	44198	Zinc chloride, ultra dry, 99.995% (metals basis)
	35726	Zinc chloride, ultra dry, 99.999% (metals basis)
	13694	Zinc chloride, ultra dry, 99.99% (metals basis)
	86108	Zirconium dichloride oxide hydrate, 99.9% (metals basis)
	11135	Zirconium dichloride oxide hydrate, Puratronic®, 99.9985% (metals basis)
	L14891	Zirconium(IV) chloride, 98%, cont. 1-2% hafnium(IV) chloride



12104 Zirconium(IV) chloride, Reactor Grade, 99.5+% (metals basis)

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