C

CCl2F2 - dichlorodifluoromethane (freon-12)

CCl4 - carbon tetrachloride (tetrachloromethane)

CFCl3 - freon-11

CFCl2CF2Cl - freon-13

CHCl3 - chloroform (trichloromethane , methyl trichloride)

CHO2− - formate ion

CH2CHCHCH2 - 1,3-butadiene

CH2CO - ketene

CH2ClCOOH - chloroacetic acid

CH2Cl2 - dichloromethane

CH2O - formaldehyde

CH2OHCH2OH - ethylene glycol

CH3CCH - propyne

CH3CHCHCH3 - 2-butene

CH3CHCH2 - propene

CH3CHO - acetaldehyde

CH3CH2Br - bromoethane

CH3CH2CH2CH2OH - butan-1-ol

CH3CH2CH2OH - 1-propanol (propan-1-ol)

CH3CH2CONH2 - propanamide

CH3CH2COOH - propionic acid

CH3CH2OCH2CH3 - diethyl ether
ethoxyethane

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CH3CH2OH - ethanol

CH3(CH2)16COOH - stearic acid

CH3COCH3 - acetone

CH3COCl - acetyl chloride

CH3CONH2 - acetamide (ethanamide)

CH3COO− - acetate ion

CH3COOCHCH2 - vinyl acetate

CH3COOCH2C6H5 - benzyl acetate

CH3COO(CH2)2CH(CH3)2 - isoamyl acetate

CH3COOH - acetic acid (ethanoic acid)

CH3Cl - chloromethane (methyl chloride)

CH3I - iodomethane (methyl iodide)

CH3OCH3 (dimethyl ether)

CH3OH - methanol

CH3SCH3 - dimethyl sulfide (DMS)

CH3SH - methanethiol

(CH3)2CHOH - isopropyl alcohol (2-propanol , propan-2-ol , isopropanol)

(CH3)2CO - acetone

(CH3)2C2O4 - dimethyl oxalate

(CH3)2NNH2 - dimethyl hydrazine

(CH3)2S+CH2CH2COO− - dimethylsulfoniopropionate (DMSP)

(CH3)3CCl - *t*-butyl chloride

(CH3)3COH - *t*-butyl alcohol

(CH3)3COOC(CH3)3 - di-*t*-butyl peroxide (DTBP)

CH4 - methane (natural gas)

CN− - cyanide ion

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$C(NH_2)_3NO_3$ - guanidine nitrate

CNO^- - cyanate ion

CO - carbon monoxide

$COCl_2$ - phosgene

CO_2 - carbon dioxide

CO_3^{2-} - carbonate ion

CS_2 - carbon disulfide

C_2F_4 - tetrafluoroethylene

C_2H_2 - acetylene

C_2H_3Cl - vinyl chloride

$C_2H_3O_2^-$ - acetate ion

C_2H_4 - ethylene

$C_2H_4Cl_2$ - ethylene dichloride

$C_2H_4O_2$ - acetic acid

C_2H_5Br - bromoethane

$C_2H_5NH_2$ - ethylamine

$C_2H_5NO_2$ - glycine (Gly)

$C_2H_5O^-$ - ethoxide ion

C_2H_5OH - ethanol (ethyl alcohol)

$(C_2H_5)_2NH$ - diethylamine

C_2H_6 - ethane

C_2H_6OS - dimethyl sulfoxide (DMSO)

$C_2O_4^{2-}$ - oxalate ion

$C_3H_3O_4^-$ - malonate ion

$C_3H_5(NO_3)_3$ - nitroglycerine

C_3H_6 - cyclopropane

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propylene - $C_3H_7NO_2$ (alanine, Ala)

$C_3H_7NO_2S$ - cysteine (Cys)

$C_3H_7NO_3$ - serine (Ser)

C_3H_8 - propane

C_3H_8O - propanol (1-propanol)

2-propanol - $C_3N_3(OH)_3$ (cyanuric acid)

C_3N_{12} - cyanuric triazide

$C_4H_7BrO_2$ - 2-bromobutyric acid (4-bromobutyric acid, α-bromoisobutyric acid, ethyl bromoacetate)

$C_4H_7NO_4$ - aspartic acid (Asp)

C_4H_8 - cyclobutane

$C_4H_8N_2O_3$ - asparagine (Asn)

C_4H_8O - tetrahydrofuran (THF)

$C_4H_9NO_3$ - threonine (Thr)

C_4H_9OH - butyl alcohol

C_4H_{10} - butane

2-methylpropane - $C_4H_{10}O$ (diethyl ether)

C_5H_4NCOOH - niacin

$C_5H_5^-$ - cyclopentadienyl anion

C_5H_5N - pyridine

$C_5H_9NO_2$ - proline (Pro)

$C_5H_9NO_4$ - glutamic acid (Glu)

C_5H_{10} - cyclopentane

$C_5H_{10}N_2O_3$ - glutamine (Gln)

$C_5H_{10}O_4$ - deoxyribose

$C_5H_{11}NO_2$ - valine (Val)

$C_5H_{11}NO_2S$ - methionine (Met)

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C5H12 - pentane

C6F5COOH - pentafluorobenzoic acid

C6H4O2 - orthobenzoquinone

parabenzoquinone - quinone

C6H5CHO - benzaldehyde

C6H5CH2OH - benzyl alcohol

C6H5COCl - benzoyl chloride

C6H5COO− - benzoate ion

C6H5COOH - benzoic acid

C6H5OH - phenol

C6H5O73− - citrate ion

(C6H5)4Ge - tetraphenylgermane

C6H6 - benzene

C6H6O2 - (benzenediols) catechol

hydroquinone - resorcinol

C6H8O7 - citric acid

C6H9N3O2 - histidine (His)

C6H10O3 - 4-acetylbutyric acid (butyl glyoxylate, ethyl acetoacetate, 2-hydroxypropyl acrylate, pantolactone, propyl pyruvate)

C6H12 - cyclohexane

C6H12O6 - fructose

glucose - C6H13NO (*N*-ethylmorpholine)

C6H13NO2 - isoleucine (Ile)

leucine - Leu

C6H14 - hexane

C6H14N2O2 - lysine (Lys)

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$C_6H_{14}N_4O_2$ - arginine (Arg)

C_7H_8- toluene

C_7H_{16} - heptane

C_8H_8 - cubane

$C_8H_9NO_2$ - acetaminophen

C_8H_{18} - octane

$C_9H_8O_4$ - acetylsalicylic acid (aspirin)

$C_9H_{11}NO_2$ - phenylalanine (Phe)

$C_9H_{11}NO_3$ - tyrosine (Tyr)

C_9H_{20} - nonane

$C_{10}H_8$ - naphthalene

$C_{10}H_{15}ON$ - ephedrine

$C_{10}H_{16}O$ - camphor

$C_{10}H_{22}$ - decane

$C_{11}H_{12}N_2O_2$ - tryptophan (Trp)

$C_{11}H_{24}$ - undecane

$C_{12}H_{10}$ - biphenyl

$C_{12}H_{22}O_{11}$ - maltose (sucrose)

$C_{12}H_{26}$ - dodecane

$C_{13}H_{10}O$ - benzophenone

$C_{13}H_{12}O$ - β-ionone

$C_{13}H_{28}$ - tridecane

$C_{14}H_{10}$ - anthracene

$C_{14}H_{18}N_2O_5$ - aspartame

$C_{14}H_{30}$ - tetradecane

$C_{15}H_{32}$ - pentadecane

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$C_{16}H_{34}$ - hexadecane

$C_{17}H_{36}$ - heptadecane

$C_{18}H_{32}O_2$ - linoleic acid

$C_{18}H_{36}O_2$ - stearic acid

$C_{18}H_{38}$ - octadecane

$C_{19}H_{40}$ - nonadecane

$C_{20}H_{24}O_2N_2$ - quinine

$C_{20}H_{42}$ - eicosane

$C_{21}H_{36}N_7O_{16}P_3S$ - Coenzyme A

$C_{164}H_{256}Na_2O_{68}S_2$ - maitotoxin

Cl_2O_8 - Chlorine octaoxide

CaB_6 - calcium boride

$CaBr_2$ - calcium bromide

$CaCN_2$ - calcium cyanamide

$Ca(CN)_2$ - calcium cyanide

$CaCO_3$ - calcium carbonate (spent lime, calcite, limestone, marble)

CaC_2 - calcium carbide

$Ca(CHO_2)_2$ - calcium formate

$Ca(C_2H_3O_2)_2$ - calcium acetate

CaC_2O_4 - calcium oxalate

$CaCl_2$ - calcium chloride

$Ca(ClO_3)_2$ - calcium chlorate

$Ca(ClO_4)_2$ - calcium perchlorate

CaF_2 - calcium fluoride (fluorite)

CaH_2 - calcium hydride

$Ca(H_2PO_2)_2$ - calcium hypophosphite

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CaI_2 - calcium iodide

$Ca(IO_3)_2$ - calcium iodate

$CaMoO_4$ - calcium molybdate

$Ca(NO_2)_2$ - calcium nitrite

$Ca(NO_3)_2$ - calcium nitrate

$Ca(NO_3)_2 \cdot 4H_2O$ - Calcium nitrate tetrahydrate

$Ca(NbO_3)_2$ - calcium metaniobate

CaO - quicklime (calcium oxide, burnt lime)

$Ca(OCl)_2$ - calcium hypochlorite

$Ca(OH)_2$ - calcium hydroxide (slaked lime)

CaO_2 - calcium peroxide

CaS - calcium sulfide (hepar calcies, sulfurated lime, oldhamite)

$CaSO_4$ - calcium sulfate (whiskers crystal)

$CaSO_4 \cdot 0.5H_2O$ - plaster of paris (calcium sulfate hemihydrate)

$CaSe$ - calcium selenide

$CaSeO_3$ - calcium selenite

$CaSeO_4$ - calcium selenate

$CaSiO_3$ - calcium metasilicate (wollastonite)

$CaTe$ - calcium telluride

$CaTeO_3$ - calcium tellurite

$CaTeO_4$ - calcium tellurate

$CaTiO_3$ - calcium titanate

$Ca(VO_3)_2$ - calcium metavanadate

$Ca(VO_4)_2$ - calcium orthovanadate

$CaWO_4$ - calcium tungstate

Ca_3N_2 - calcium nitride

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Ca_3P_2 - calcium phosphide

$CdBr_2$ - cadmium bromide

$Cd(CN)_2$ - cadmium cyanide

$CdCO_3$ - cadmium carbonate

$Cd(C_2H_3O_2)_2$ - cadmium acetate

CdC_2O_4 - cadmium oxalate

$CdCl_2$ - cadmium chloride

$CdCrO_4$ - cadmium chromate

CdF_2 - cadmium fluoride

CdI_2 - cadmium iodide

$Cd(IO_3)_2$ - cadmium iodate

$CdMoO_4$ - cadmium molybdate

$Cd(NO_3)_2$ - cadmium nitrate

$Cd(N_3)_2$ - cadmium azide

CdO - cadmium oxide

$Cd(OH)_2$ - cadmium hydroxide

CdS - cadmium sulfide (greenockite)

$CdSO_3$ - cadmium sulfite

$CdSO_4$ - cadmium sulfate

CdSb - cadmium antimonide

CdSe - cadmium selenide (cadmoselite)

$CdSeO_3$ - cadmium selenite

$CdSiO_3$ - cadmium metasilicate

$Cd(TaO_3)_2$ - cadmium metatantalate

CdTe - cadmium telluride

$CdTeO_4$ - cadmium tellurate

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$CdTiO_3$ - cadmium titanate

$CdWO_4$ - cadmium tungstate

$CdZrO_3$ - cadmium metazirconate

$Cd_2Nb_2O_7$ - cadmium niobate

Cd_3As_2 - cadmium arsenide

Cd_3P_2 - cadmium phopshide

$Cd_3(PO_4)_2$ - cadmium phosphate

CeB_6 - cerium boride

$CeBr_3$ - cerium(III) bromide

CeC - cerium carbide

$CeCl_3$ - cerium(III) chloride

CeF_3 - cerium(III) fluoride

CeF_4 - cerium(IV) fluoride

CeI_2 - cerium(II) iodide

CeI_3 - cerium(III) iodide

CeN - cerium nitride

CeO_2 - cerium(IV) oxide (cerianite)

CeS - cerium(II) sulfide

$Ce(SO_4)_2$ - cerium(IV) sulfate

$CeSi_2$ - cerium silicide

Ce_2C_3 - cerium(III) carbide

Ce_2O_3 - cerium(III) oxide

Ce_2S_3 - cerium(III) sulfide

ClF - chlorine fluoride

ClF_3 - chlorine trifluoride

ClF_5 - chlorine pentafluoride

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$ClOClO_3$ - chlorine perchlorate

ClO_2 - chlorine dioxide

ClO_3F - chlorine trioxide fluoride

Cl_2 - chlorine

Cl_2O_3 - chlorine trioxide

Cl_2O_6 - chlorine hexoxide

Cl_2O_7 - chlorine heptoxide

$CoAl_2O_4$ - cobalt(II) aluminate

CoAs - cobalt arsenide

$CoAs_2$ - cobalt(II) arsenide

CoB - cobalt(II) boride

$CoBr_2$ - cobalt(II) bromide

$Co(CN)_2$ - cobalt(II) cyanide

$Co(C_2H_3O_2)_2$ - cobalt(II) acetate

$Co(C_2H_3O_2)_3$ - cobalt(III) acetate

CoC_2O_4 - cobalt(II) oxalate

$Co(ClO_4)_2$ - cobalt(II) perchlorate

$CoCl_2$ - cobalt(II) chloride

$CoCrO_4$ - cobalt(II) chromate

$CoCr_2O_4$ - cobalt(II) chromite

CoF_2 - cobalt(II) fluoride

CoF_3 - cobalt(III) fluoride

$Co(IO_3)_2$ - cobalt(II) iodate

CoI_2 - cobalt(II) iodide

$CoMoO_4$ - cobalt(II) molybdate

$Co(NO_3)_2$ - cobalt(II) nitrate

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$Co(NO_3)_3$ - cobalt(III) nitrate

CoO - cobalt(II) oxide

$Co(OH)_2$ - cobalt(II) hydroxide

$Co(OH)_3$ - cobalt(III) hydroxide

CoS - cobalt(II) sulfide

CoS_2 - cobalt disulfide

CoSb - cobalt antimonide

CoSe - cobalt(II) selenide

$CoSeO_3$ - cobalt(II) selenite

CoTe - cobalt(II) telluride

$CoTiO_3$ - cobalt(II) titanate

$CoWO_4$ - cobalt(II) tungstate

Co_2B - cobalt boride

Co_2SO_4 - cobalt(II) sulfate

Co_2S_3 - cobalt(III) sulfide

Co_2SiO_4 - cobalt(II) orthosilicate

Co_2SnO_4 - cobalt(II) stannate

Co_2TiO_4 - cobalt(II) titanite

$Co_3(Fe(CN)_6)_2$ - cobalt(II) ferricyanide

$CrBr_2$ - chromium(II) bromide

$CrBr_3$ - chromium(III) bromide

$CrCl_2$ - chromium(II) chloride

$CrCl_3$ - chromium(III) chloride

$CrCl_4$ - chromium(IV) chloride

CrF_2 - chromium(II) fluoride

CrF_3 - chromium(III) fluoride

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CrF_4 - chromium(IV) fluoride

CrF_5 - chromium(V) fluoride

CrF_6 - chromium(VI) fluoride

CrI_2 - chromium(II) iodide

CrI_3 - chromium(III) iodide

$Cr(NO_3)_3$ - chromium(III) nitrate

CrO_2 - chromium(IV) oxide

CrO_3 - chromium(VI) oxide

CrO_4^{2-} - chromate ion

CrO_2Cl_2 - chromium(VI) oxychloride

$CrPO_4$ - chromium(III) phosphate

CrSb - chromium antimonide

$CrVO_4$ - chromium(III) orthovanadate

Cr_2O_3 - chromium(III) oxide (eskolaite)

$Cr_2(SO_4)_3$ - chromium(III) sulfate

Cr_2S_3 - chromium(III) sulfide

Cr_2Se_3 - chromium(III) selenide

$Cr_2(TeO_4)_3$ - chromium(III) tellurate

Cr_2Te_3 - chromium(III) telluride

Cr_3As_2 - chromium(II) arsenide

Cr_3C_2 - chromium(II) carbide

Cr_3Sb_2 - chromium(II) antimonide

Cr_3Si_2 - chromium(II) silicide

$CsBO_2$ - caesium borate

CsBr - caesium bromide

$CsBrO_3$ - caesium bromate

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$CsBr_3$ - caesium tribromide

$CsCN$ - caesium cyanide

$CsC_2H_3O_2$ - caesium acetate

$CsCl$ - caesium chloride

$CsClO_3$ - caesium chlorate

$CsClO_4$ - caesium perchlorate

CsF - caesium fluoride

CsI - caesium iodide

CsI_3 - caesium triiodide

$CsNH_2$ - caesium amide

$CsNO_3$ - caesium nitrate

CsN_3 - caesium azide

$CsNbO_3$ - caesium metaniobate

$CsOH$ - caesium hydroxide

CsO_2 - caesium superoxide

Cs_2S - caesium sulfide

$CsSCN$ - caesium thiocyanate

$CsSeO_4$ - caesium selenate

$CsTaO_3$ - caesium metatantalate

Cs_2CO_3 - caesium carbonate

$Cs_2C_2O_4$ - caesium oxalate

Cs_2CrO_4 - caesium chromate

$Cs_2Cr_2O_7$ - caesium dichromate

Cs_2HPO_4 - caesium hydrogen orthophosphate

Cs_2MoO_4 - caesium molybdate

Cs_2O - caesium oxide

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Cs_2SO_3 - caesium sulfite

Cs_2SO_4 - caesium sulfate

Cs_2SiO_3 - caesium metasilicate

Cs_2TeO_4 - caesium tellurate

Cs_2TiO_3 - caesium titanate (caesium metatitanate)

Cs_2WO_4 - caesium orthotungstate

Cs_3PO_4 - caesium orthophosphate

Cs_3VO_4 - caesium orthovanadate

CuBr - copper(I) bromide

$Cu(BrO_3)_2 \cdot 6H_2O$ - copper(II) bromate - hexahydrate

$CuBr_2$ - copper(II) bromide

CuC_2O_4 - copper oxalate

CuCl - copper(I) chloride

$Cu(ClO_3)_2 \cdot 6H_2O$ - copper(II) chlorate - hexahydrate

$CuCl_2$ - copper(II) chloride

$CuFeS_2$ - copper iron sulfide (chalcopyrite)

$CuFe_2O_4$ - copper(II) iron(II) oxide

$CuFe_2S_3$ - copper iron sulfide (cubanite)

$[Cu(H_2O)_4]SO_4 \cdot H_2O$ - blue vitriol

CuI - copper(I) iodide

$CuIO_3$ - copper(I) iodate

$Cu(IO_3)_2$ - copper(II) iodate

$CuMoO_4$ - copper(II) orthomolybdate

$Cu(NO_3)_2$ - copper(II) nitrate

$Cu(NO_3)_2 \cdot 3H_2O$ - copper(II) nitrate - trihydrate

$Cu(NbO_3)_2$ - copper(II) orthoniobate

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CuO - copper(II) oxide

Cu(OH)2 - copper(II) hydroxide

CuS - copper(II) sulfide (covellite)

CuSCN - copper(I) thiocyanate

CuSO4 - copper(II) sulfate

CuSO4 · 5H2O - copper(II) sulfate - pentahydrate

CuSe - copper(II) selenide

CuSeO3 · 2H2O - copper(II) selenite - dihydrate

CuSeO4 · 5H2O - copper(II) selenate - pentahydride

CuSiO3 - copper(II) metasilicate

CuTe - copper(II) telluride

CuTeO3 - copper(II) tellurite

CuTiO3 - copper(II) metatitanate

Cu(VO3)2 - copper(II) metavanadate

CuWO4 - copper(II) orthotungstate

Cu2CO3(OH)2 - malachite

Cu2S - copper(I) sulfide (chalcocite)

Cu2Se - copper(I) selenide

Cu2Te - copper(I) telluride

Cu3As - copper(I) arsenide

Cu3P - copper(I) phosphide

Cu3(PO4)2 - copper(II) phosphate

Cu3Sb - copper(III) antimonide

Cu9S5 - copper sulfide (digenite)

The Me you have always known, the Me that's a stranger still.

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QUOTE

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D

DBr - deuterium bromide

DI - deuterium iodide

DLi - lithium deuteride

DNa - sodium deuteride –

D2O - deuterium oxide heavy water

D3O - trideuterium oxide –

DyBr3 - dysprosium(III) bromide

DyCl2 - dysprosium(II) chloride –

DyCl3 - dysprosium(III) chloride –

DyF - dysprosium(I) fluoride

DyF2 - dysprosium(II) fluoride –

DyF3 - dysprosium(III) fluoride –

DyI2 - dysprosium(II) iodide

DyI3 - dysprosium(III) iodide –

DyO - dysprosium(I) oxide –

DySi2 - dysprosium(II) silicide –

Dy2O3 - dysprosium(III) oxide

Dy2S3 - dysprosium(III) sulfide

QUOTE

E

ErF - erbium monofluoride

ErF2 - erbium difluoride

ErF3 - erbium trifluoride

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ErI3 - erbium triiodide

ErI4Na - erbium sodium tetraiodide

ErO - erbium monoxide

EuF - europium monofluoride

EuF3 - europium trifluoride

EuI2 - europium diiodide

EuNbO2 - europium niobium dioxide

EuNb2O6 - europium diniobium hexaoxide

EuO - europium monoxide

EuO2V - monoeuropium monovandium dioxide

EuO3Ti - europium titanium trioxide

EuO3V - europium metavanadate

EuO4W - europium tungsten tetraoxide

EuS - europium monosulfide

EuS2 - europium disulfide

Eu2O - dieuropium monoxide

Eu2O2 - dieuropium dioxide

Eu2S - dieuropium monosulfide

Eu2S2 - dieuropium disulfide

_____

The Me you have always known, the Me that's a stranger still.

Last edited by Last Island; Saturday, August 11, 2007 at 12:19 PM.

QUOTE

F

F2Fe - iron fluoride

FGa - gallium monofluoride

FGaO - gallium monofluoride monoxide

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FGd - gadolinium monofluoride

FGe - germanium monofluoride

FHg - mercury fluoride

FHo - holmium monofluoride

FI - iodine monofluoride

FI2 - monofluorodiiodine

FIn - indium monofluoride

FLa - lanthanum monofluoride

FLi - lithium fluoride

FLiO - lithium hypofluorite

FLi2 - dilithium monofluoride

FMg - magnesium monofluoride

FMn - monomanganese monofluoride

FMnO3 - manganese fluoride trioxide

FMo - molybdenum monofluoride

FN - fluoroimidogen

FNO - nitrosyl fluoride

FNO2 - nitryl fluoride

FNO3 - fluorine nitrate

FNS - thiazyl fluoride

FNa - sodium fluoride

FNa2 - disodium monofluoride

FNd - neodymium monofluoride

FO - oxygen monofluoride

FOTh - thorium monofluoride monoxide

FOTi - titanium fluoride oxide

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FO2 - dioxygen monofluoride

FO3S - fluorosulfate radical

FP - phosphorus monofluoride

FPS - phosphenothious fluoride

FPS2 - phosphenodithioic fluoride

FPb - lead monofluoride

FPu - plutonium monofluoride

FRb - rubidium fluoride

FS - monosulfur monofluoride

FSc - scandium monofluoride

FSm - samarium monofluoride

FSn - tin monofluoride

FSr - strontium monofluoride

FTh - thorium monofluoride

FTi - titanium fluoride

FTl - thallium monofluoride

FW - tungsten monofluoride

FXe - xenon monofluoride

FY - yttrium monofluoride

FZr - zirconium fluoride

F2 - fluorine

F2Fe - ferrous fluoride

F2Ga - gallium difluoride

F2Gd - gadolinium difluoride

F2Ge - germanium difluoride

F2GeO - difluorogermanone

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F2Hg - mercury fluoride

F2Hg2 - mercury fluoride

F2Ho - holmium difluoride

F2IP - difluoroiodophosphine

F2K2 - dipotassium difluoride

F2Kr - krypton difluoride

F2La - lanthanum difluoride

F2Li2 - lithium fluoride

F2Mg - magnesium fluoride

F2Mn - manganese difluoride

F2Mo - molybdenum difluoride

F2MoO2 - molybdenum difluoride dioxide

F2N - difluoroamino radical

F2N2O - nitrosodifluoroamine

F2Na2 - disodium difluoride

F2Nd - neodymium difluoride

F2Ni - nickel difluoride

F2O - difluorine monoxide

F2OS - thionyl fluoride

F2OSi - difluorooxosilane

F2OTi - titanium fluoride oxide

F2O2 - perfluoroperoxide

F2O2S - sulfuryl fluoride

F2O2W - tungsten difluoride dioxide

F2O5S3 - peroxydisulfuryl difluoride

F2P - phosphorus difluoride

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F2Pb - lead difluoride

F2Pt - platinum difluoride

F2Pu - plutonium difluoride

F2S - sulfur difluoride

F2SW - tungsten difluoride monosulfide

F2S2 - difluorodisulfane

F2S2 - thiothionyl fluoride

F2S2 - thiothionyl fluoride

F2S2W - tungsten difluoride disulfide

F2Sc - scandium difluoride

F2Se - selenium difluoride

F2Si - difluorosilylene

F2Sn - tin difluoride

F2Sr - strontium fluoride

F2Th - thorium difluoride

F2Ti - titanium difluoride

F2Tl2 - dithallium difluoride

F2W - tungsten difluoride

F2Xe - xenon difluoride

F2Y - yttrium difluoride

F2Zn - zinc difluoride

F2Zr - zirconium fluoride

F3Fe - iron trifluoride

F3Ga - gallium trifluoride

F3Gd - gadolinium trifluoride

F3Ho - holmium trifluoride

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F3La - lanthanum trifluoride

F3Li3 - trilithium trifluoride

F3Lu - lutetium trifluoride

F3Mn - manganese trifluoride

F3Mo - molybdenum trifluoride

F3MoO - molybdenum trifluoride oxide

F3MoS - molybdenum trifluoride sulfide

F3N - nitrogen trifluoride

F3NO - nitrogen trifluoride oxide

F3NO2S - difluoroaminosulfonyl fluoride

F3NO3S - difluoraminooxysulfonyl fluoride

F3NS - thiazyl trifluoride

F3NaSn - sodium trifluorostannate

F3Nd - neodymium trifluoride

F3OP - phosphoryl fluoride

F3OTa - tantalum monoxide trifluoride

F3OV - vanadium trifluoride oxide

F3P - phosphorus trifluoride

F3PS - thiophosphoryl fluoride

F3Pr - praseodymium trifluoride

F3Pu - plutonium trifluoride

F3Rh - rhodium fluoride

F3S - sulfur trifluoride

F3SW - tungsten trifluoride monosulfide

F3Sb - antimony trifluoride

F3Sc - scandium fluoride

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F3Si - trifluorosilyl radical

F3Sm - samarium trifluoride

F3Tb - terbium trifluoride

F3Th - thorium trifluoride

F3Ti - titanium trifluoride

F3Tl - thallium trifluoride

F3Tm - thulium trifluoride

F3W - tungsten trifluoride

F3Y - yttrium trifluoride

F3Yb - ytterbium trifluoride

F3Zr - zirconium trifluoride

F4Ge - germanium tetrafluoride

F4Ge2 - digermanium tetrafluoride

F4Hf - hafnium fluoride

F4Mg2 - dimagnesium tetrafluoride

F4Mg2 - magnesium fluoride

F4Mo - molybdenum tetrafluoride

F4MoO - molybdenum tetrafluoride oxide

F4MoS - molybdenum tetrafluoride monosulfide

F4N2 - tetrafluorohydrazine

F4Na2Sn - disodium tetrafluorostannate

F4OOs - osmium oxide tetrafluoride

F4OP2 - diphosphorus tetrafluoride oxide

F4ORe - rhenium tetrafluoride oxide

F4OS - sulfur tetrafluoride oxide

F4OW - tungsten tetrafluoride oxide

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F4OXe - xenon tetrafluoride oxide

F4P2 - diphosphorus tetrafluoride

F4Pb - lead tetrafluoride

F4Pt - platinum tetrafluoride

F4Pu - plutonium tetrafluoride

F4S - sulfur tetrafluoride

F4SW - tungsten tetrafluoride monosulfide

F4Se - selenium tetrafluoride

F4Si - silicon tetrafluoride

F4Sn2 - ditin tetrafluoride

F4Ti - titanium fluoride

F4U - uranium tetrafluoride

F4W - tungsten tetrafluoride

F4Xe - xenon tetrafluoride

F4Zr - zirconium tetrafluoride

F5I - iodine pentafluoride

F5Mo - molybdenum pentafluoride

F5ORe - rhenium monoxide pentafluoride

F5P - phosphorus pentafluoride

F5Pu - plutonium pentafluoride

F5S - sulfur pentafluoride

F5Sb - antimony pentafluoride

F5Ta - tantalum pentafluoride

F5U - uranium pentafluoride

F5W - tungsten pentafluoride

F6Fe2 - diiron hexafluoride

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F6La2 - lanthanum trifluoride dimer

F6Mo - molybdenum hexafluoride

F6NP3 - nitridotriphosphorous hexafluoride

F6Os - osmium hexafluoride

F6Pu - plutonium hexafluoride

F6Re - rhenium hexafluoride

F6S - sulfur hexafluoride

F6Se - selenium hexafluoride

F6Si2 - hexafluorodisilane

F6Sn3 - tritin hexafluoride

F6Te - tellurium hexafluoride

F6U - uranium hexafluoride

F6W - tungsten hexafluoride

F6Xe - xenon hexafluoride

F7I - iodine fluoride

F7NS - pentafluorosulfanyldifluoroamine

F7Re - rhenium heptafluoride

F8Si3 - octafluorotrisilane

F10Mo2 - molybdenum fluoride

F10S2 - sulfur fluoride

F15Mo3 - molybdenum fluoride

FeAsS -iron arsenic sulfide (arsenopyrite)

FeBr2 - iron(II) bromide

FeBr3 - iron(III) bromide

FeBr3 · 6H2O - iron(III) bromide hexahydrate

FeCO3 - siderite

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FeC_2O_4 - iron oxalate

FeC_5O_5 - iron pentacarbonyl (pentacarbonyl iron)

$FeC_{10}H_{10}$ - ferrocene

$FeCl_3$ - iron(III) chloride

$FeCr_2O_4$ - chromite (ore)

$FeF_2 \cdot 4H_2O$ - iron(II) fluoride tetrahydrate

FeI - iron monoiodide

FeI_2 - iron diiodide (iron(II) iodide)

$FeI_2 \cdot 4H_2O$ - iron(II) iodide tetrahydrate

FeI_3 - iron(III) iodide

$FeMoO_4$ - iron(II) orthomolybdate

FeO - iron monoxide - iron(II) oxide (wüstite)

FeO_2 - iron dioxide

FeO_2H - goethite

$FeO_2H \cdot nH_2O$ - limonite

FeO_2H_2 - iron(II) hydroxide

FeO_3H_3 - iron(III) hydroxide

FeO_4S - ferrous sulfate

$FeO_8H_4P_2$ - iron(II) dihydrogen phosphate

FeP - iron(III) phosphide

FeS - iron sulfide (iron(II) sulfide)

FeS_2 - pyrite (fool's gold)

iron(IV) sulfide - marcasite

FeSe - iron(II) selenide

FeTe - iron(II) telluride

$FeTiO_3$ - iron(II) metatitanate

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FeVO4 - iron(III) orthovanadate

FeWO4 - iron(II) orthotungstate

FeZrO3 - iron(II) metazirconate

Fe2I2 - diiron diiodide

Fe2I4 - diiron tetraiodide

Fe2O3 - iron oxide, iron(III) oxide (hematite)

Fe2O3 - venetian red

Fe2O12S3 - ferric sulfate (iron(III) sulfate)

Fe2O12W3 - iron(III) orthotungstate

Fe2P - diiron phosphide

Fe2SiO4 - fayalite

Fe3H2Na2O45Si - chrysotile (white asbestos)

Fe3O4 - magnetite (triiron(II, III) tetraoxide)

Fe3P - iron(tri) phosphide

Fe7Si8O24H2 - amosite (brown asbestos, grunerite)

QUOTE

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GaAs - gallium(III) arsenide

GaAsO4 - gallium(III) orthoarsenate

GaBr3 - gallium(III) bromide

Ga(C2H3O2)3 - gallium(III) acetate

GaCl2 - gallium(II) chloride

GaCl3 - gallium(III) chloride

GaI2 - gallium(II) iodide

GaI3 - gallium(III) iodide

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GaN - gallium(III) nitride

Ga(OH)3 - gallium(III) hydroxide

GaPO4 - gallium(III) orthophosphate

GaSb - gallium(III) antimonide

GaTe - gallium(II) telluride

Ga2O3 - gallium(III) oxide

Ga2(SO4)3·18H2O - gallium(III) sulfate - octadecahydrate

Ga2S3 - gallium(III) sulfide

Ga2Te3 - gallium(III) telluride

GeBr4 - germanium(IV) bromide

GeH3COOH - 2-germaacetic acid

GeI2 - germanium(II) iodide

GeI4 - germanium(IV) iodide

GeO - germanium(II) oxide

QUOTE

H

HBr - hydrogen bromide (hydrobromic acid)

HCCH - acetylene (ethylene)

HCN - hydrocyanic acid (hydrogen cyanide)

HCONH2 - formamide "(ethanamide)

HCOO - formate ion

HCOOH - formic acid (methanoic acid)

HCOONH4 - ammonium formate

HCO3 - hydrogen carbonate ion

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$HC_3H_5O_3$ - lactic acid

$HC_5H_5N^+$ - pyridinium ion

$HC_6H_7O_6$ - ascorbic acid

$HC_9H_7O_4$ - acetylsalicylic acid

$HC_{12}H_{17}ON_4SCl_2$ - thiamine hydrochloride (vitamin B1 hydrochloride)

HCl - hydrochloric acid (hydrogen chloride)

HClO - hypochlorous acid

$HClO_2$ - chlorous acid

$HClO_3$ - chloric acid

$HClO_4$ - perchloric acid

HDO - semiheavy water (water-d1)

HF - hydrofluoric acid

HI - hydroiodic acid

HIO_3 - iodic acid

HNO_2 - nitrous acid

HNO_3 - nitric acid (hydrogen nitrate)

HN_3 - hydrazoic acid

HOCl - hypochlorous acid

HOF - hypofluorous acid

HOOCCOOH - oxalic acid

HPO_4^{2-} - hydrogen phosphate ion

HSO_3^- - hydrogen sulfite ion

HSO_4^- - hydrogen sulfate

HTO - partially tritiated water (water-t)

H_2 - hydrogen

$H_2C(CH)CN$ - acrylonitrile

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H2CO - formaldehyde

H2CO3 - carbonic acid

H2CSO - sulfine

H2C2O4 - oxalic acid

H2C4H4O6 - tartaric acid

H2C8H4O4 - phthalic acid (H2Ph)

H2CrO4 - chromic acid

H2NCH2COOH - glycine

H2NNH2 - hydrazine

H2O - water

H2O2 - hydrogen peroxide

H2PO4− - dihydrogen phosphate ion

H2S - hydrogen sulfide (hydrosulfuric acid)

H2SO3 - sulfurous acid

H2SO4 - sulfuric acid (hydrogen sulfate)

H2S2O7 - disulfuric acid

H2S2O8 - peroxydisulfuric acid

H2SeO4 - selenic acid

H2SiO3 - silicic acid

H2TeO3 - tellurous acid

H2TiO3 - titanic acid

H3AsO4 - arsenic acid

H3CCH2CH3 - propane

H3N+CH2COO− - zwitterion

H3O+ - hydronium ion

H3PO4 - phosphoric acid

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H_4XeO_6 - perxenic acid

H_6TeO_6 - telluric acid

$HfBr_4$ - hafnium(IV) bromide

HfF_4 - hafnium(IV) fluoride

$HfOCl_2 \cdot 8H_2O$ - hafnium(IV) oxychloride - octahydrate

$HfOH(C_2H_3O_2)_3$ - hafnium(IV) acetate - basic

$Hf(SO_4)_2$ - hafnium(IV) sulfate

$Hg(BrO_3)_2 \cdot 2H_2O$ - mercury(II) bromate - dihydrate

$HgBr_2$ - mercury(II) bromide

$Hg(C_2H_3O_2)_2$ - mercury(II) acetate

$Hg(C_7H_5O_2)_2 \cdot H_2O$ - mercury(II) benzoate - monohydrate

$HgClO_4 \cdot 4H_2O$ - mercury(I) perchlorate - tetrahydrate

$Hg(ClO_4)_2 \cdot 3H_2O$ - mercury(II) perchlorate - trihydrate

$HgCl_2$ - mercury(II) chloride

$Hg(IO_3)_2$ - mercury(II) iodate

HgI_2 - mercury(II) iodide

$Hg(NO_3)_2 \cdot H_2O$ - mercury(II) nitrate - monohydrate

HgO - mercury(II) oxide

HgSmercury(II) sulfide (cinnabar)

$Hg(SCN)_2$ - mercury(II) thiocyanate

$HgSe$ - mercury(II) selenide

$HgSeO_3$ - mercury(II) selenite

$HgTe$ - mercury(II) telluride

$HgTeO_3$ - mercury(II) tellurite

$HgWO_4$ - mercury(II) tungstate

Hg_2Br_2 - mercury(I) bromide

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Hg2Cl2 - mercury chloride

Hg2I2 - mercury iodide

Hg3(AsO4)2 - mercury(II) orthoarsenate

QUOTE

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IBr - iodine(I) bromide

IBr3 - iodine(III) bromide

ICl - iodine(I) chloride

ICl3 - iodine(III) chloride

IO3 - iodate ion

I2 - iodine

I3 - triiodide ion

InAs - indium(III) arsenide

InBr - indium(I) bromide

InBrI2 - indium(III) bromodiiodide

InBr2I - indium(III) dibromoiodide

InBr3 - indium(III) bromide

InCl - indium(I) chloride

InCl2 - indium(II) chloride

InCl3 - indium(III) chloride

InCl3·4H2O - indium(III) chloride - tetrahydrate

InI - indium(I) iodide

In(IO3)3 - indium(III) iodate

InI2 - indium(II) iodide

InI3 - indium(III) iodide

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In(NO3)3·4.5H2O - indium(III) nitrate - tetrahemihydrate

In(OH)3 - indium(III) hydroxide

InP - indium(III) phosphide

InPO4 - indium(III) orthophosphate

InS - indium(II) sulfide

InSb - indium(III) antimonide

InTe - indium(II) telluride

In2O3 - indium(III) oxide

In2(SO4)3·H2O - indium(III) sulfate - monohydrate

In2S3 - indium(III) sulfide

In2Se3 - indium(III) selenide

In2Te3 - indium(III) telluride

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QUOTE

K

KAlMg3Si3O12H2 - phlogopite

KAlSi3O8 - orthoclase (feldspar)

KAl3Si3O12H2 - muscovite (aluminosilicate)

KAu(CN)2 - potassium dicyanoaurate(I)

KCN - potassium cyanide

KC2H5O - potassium ethoxide

KCl - potassium chloride

KCl · MgCl2 · 6H2O - carnallite

KClO3 - potassium chlorate

KClO4 - potassium perchlorate

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KF - potassium fluoride

KHCO3 - potassium bicarbonate (potassium hydrogen carbonate)

KHC4H4O6 - potassium hydrogen tartrate

KHSO4 - potassium hydrogen sulfate

KI - potassium iodide

KIO4 - potassium metaperiodate

KMnO4 - potassium permanganate

KNa - potassium sodide

KNO3 - potassium nitrate

KO - monopotassium monooxide

KOH - potassium hydroxide

KO2 - potassium superoxide

KO3 - potassium ozonide

KO4Re - potassium perrhenate

KSeCN - potassium selenocyanate

KTaO3 - potassium tantalate

K2CO3 - potassium carbonate (potash)

K2Cr2O7 - potassium dichromate

K2[CuCl4] - potassium tetrachlorocuprate(II)

K2MoO4 - potassium orthomolybdate

K2MoS4 - potassium thiomolybdate

K2Na2 - dipotassium disodium

K2O - potassium oxide

K2O2 - potassium peroxide

K2O3P - potassium metaphosphate

K2O3Si - potassium silicate

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K2O4S - dipotassium sulfate

K2O4S - potassium sulfate

K2O7NS2 - potassium nitrosodisulfonate (Fremy's salt)

K2[PtBr6] - potassium hexabromoplatinate(IV)

K2[Pt(CNS)6] - potassium hexathiocyanoplatinate(IV)

K2[PtCl4] - potassium tetrachloroplatinate(II)

K2[PtCl6] - potassium hexachloroplatinate(IV)

K2S - potassium sulfide

K2SO4 - potassium sulfate

K2SeO3 - potassium selenite

K2SeO4 - potassium selenate

K2SnF4 · H2O - potassium fluostannate monohydrate

K2TeO3 - potassium tellurite

K2TeO4 - potassium tellurate

K2TiO3 - potassium metatitanate

K2VO4 - potassium orthovanadate

K2ZrO3 - potassium metazirconate

K3[Co(NO2)6] - potassium hexanitrocobaltate(III)

K3[Fe(CN)6] - potassium hexacyanoferrate(III)

K3O - tripotassium monoxide

K4[Fe(CN)6] - potassium hexacyanoferrate(II)

K4O - tetrapotassium monoxide

KrClF - krypton chloride fluoride

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QUOTE

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