Database name	Common name	System	Prototype	Space group	No of subl.	Stoichiometry				Constituents			
AGIN2	$AgIn_2$	Ag-In	$CuAl_2$	$I4/mcm$	2	.33	.67			Ag	In		
AGSB_ORTHO	ε	Ag-Sb	$\beta TiCu_3$	$Pmmn$	2	.75	.25			Ag,Au,Sb	Ag,Au,Bi, Sb,Sn		
	ε'		Ag_3Sb	$Pmm2$									
	ε	Ag-Sn	$\beta TiCu_3$	$Pmmn$									
AGZN_BRASS	γ	Ag-Zn	Cu_5Zn_8	$I\bar{4}3m$	4	2	2	3	6	Ag,Zn	Ag,Zn	Ag	Zn
AGZN_ZETA	ζ	Ag-Zn	AgZn(LT)	$P\bar{3}$	2	1	2			Zn	Ag,Zn		
AU2BI_C15	Au_2Bi	Au-Bi	Cu_2Mg	$Fd\bar{3}m$	2	2	1			Ag,Au	Bi		
AUIN	AuIn	Au-In	-	-	2	.5	.5			Au	In,Sb,Sn		
AUIN_BETA	β	Au-In	$Cu_{11}Sb_3$	$Amm2$	2	.785	.215			Au	In		
AUIN_BETAP	β_1	Au-In	$Cu_{10}Sb_3$	$P\bar{3}$	2	.77778	.22222			Au	In		
AUIN_GAMMA	γ	Au-In	Cu_9Al_4	$P\bar{4}3m$	3	.69231	.23077	.07692		Au	Au,In	In	
AUIN_PSI	ψ	Au-In	Ni_2Al_3	$P\bar{3}m1$	3	.5	.33333	.16667		Au	Au,In	In	
AUIN2	$AuIn_2$	Au-In	CaF_2	$Fm\bar{3}m$	2	.333333	.666667			Au	In,Sb,Sn		
AU3IN	ε'	Au-In	βTiCu3	$Pmmn$	2	.75	.25			Au	In		
	ε		-	-									
AU7IN3	γ'	Au-In	Au_7In_3	$P\bar{3}$	2	.7	.3			Au	In		
AU4IN3SN3	$Au_4In_3Sn_3$	Au-In-Sn	Pt_2Sn_3	$P6_3/mmc$	3	.4	.3	.3		Au	In,Sn	In,Sn	
AUNI2SN4	$AuNi_2Sn_4$	Au-Ni-Sn	-	-	3	.143	.286	.571		Au	Ni	Sn	
AUPB2	$AuPb_2$	Au-Pb	$CuAl_2$	$I4/mcm$	2	.333333	.666667			Au	Pb		
AUPB3	$AuPb_3$	Au-Pb	αV_3S	$I\bar{4}2m$	2	.25	.75			Au	Pb		
AU2PB_C15	Au_2Pb	Au-Pb	Cu_2Mg	$Fd\bar{3}m$	2	2	1			Au	Pb		
AUSB2	$AuSb_2$	Au-Sb	FeS_2	$Pa\bar{3}$	2	.333333	.666667			Ag,Au	Bi,In,Sb		
AUSN2	ε/$AuSn_2$	Au-Sn	$AuSn_2$	$Pbca$	2	.333333	.666667			Au	Sn		

Database name	Common name	System	Prototype	Space group	No of subl.	Stoichiometry				Constituents			
AUSN4	η/$AuSn_4$	Au-Sn	$PtSn_4$	*Aba*2	2	.2	.8			Au,Ni	In,Sn		
AU1SN	δ/AuSn	Au-Sn	NiAs	$P6_3/mmc$	2	.5	.5			Au,Ni	In,Sn		
AU5SN	ζ'/Au_5Sn	Au-Sn	Au_5Sn	$R\bar{3}$	2	.84	.16			Au	Sn		
AUZN_A1	α_1	Au-Zn	Ag_3Mg	-	3	.6	.2	.2		Au	Au,Zn	Zn	
AUZN_A2	α_2	Au-Zn	-	*Abam* (*Cmca*)	2	.75	.25			Au	Zn		
AUZN_A3	α_3	Au-Zn	$PdCu_3$	*P*4*mm*	3	.64286	.25	.10714		Au	Au,Zn	Zn	
AUZN_BETA	β'	Au-Zn	CsCl	$Pm\bar{3}m$	2	.5	.5			Au,Zn	Au,Zn		
AUZN_BRASS	γ/γ-brass	Au-Zn	Cu_5Zn_8	$I\bar{4}3m$	4	2	2	3	6	Au,Zn	Au	Au,Zn	Zn
AUZN_DELTA	δ	Au-Zn	...	...	2	.44	.56			Au	Zn		
AUZN_E1	ε'	Au-Zn	...	...	2	.15	.85			Au	Zn		
AUZN_G2	γ_2	Au-Zn	UH_3	$Pm\bar{3}$n	2	.25	.75			Au	Zn		
AUZN_G3	γ_3	Au-Zn	...	*P*6/*mmm*	3	.12	.16	.72		Au	Au,Zn	Zn	
AU5ZN3	Au_5Zn_3	Au-Zn	Au_5Zn_3	$Pmc2_1$	2	.625	.375			Au	Zn		
BCC_A2	β	Ag-In	W	$Im\bar{3}m$	2	1	3			Ag,Au,Bi, Cu,In,Ni, Pb,Pd,Sb, Sn,Zn	Va		
		Ag-Zn											
		Cu-In											
	γ	Cu-Sb[a]	BiF_3	$Fm\bar{3}m$									
		Cu-Sn[a]											
	β	Cu-Sn	W	$Im\bar{3}m$									
		Cu-Zn											
	δ	Cu-Zn											
	Ni_3Sn_HT	Ni-Sn[a]	BiF_3	$Fm\bar{3}m$									
	β	Ni-Zn[a]	CsCl	$Pm\bar{3}m$									

Database name	Common name	System	Prototype	Space group	No of subl.	Stoichiometry				Constituents			
BCC_B2	InPd	In-Pd	CsCl	$Pm\bar{3}m$	2	.5	.5			Ag,In,Pd	Pd,Va		
B2_BCC	β'	Cu-Zn	CsCl	$Pm\bar{3}m$	3	.5	.5	3		Cu,Zn	Cu,Zn	Va	
BCT_A5	(βSn)	Ag-Sn	βSn	$I4_1/amd$	1	1				Ag,Bi,In, Ni,Pb,Sb, Sn,Zn			
		Au-Sn											
		Bi-Sn											
		Cu-Sn											
		In-Sn											
		Ni-Sn											
		Pb-Sn											
		Pd-Sn											
		Sb-Sn											
		Sn-Zn											
BIIN	BiIn	Bi-In	PbO	$P4/nmm$	2	.5	.5			Bi	In		
BIIN_BRASS	$BiIn_2$	Bi-In	Ni_2In	$P6_3/mmc$	2	.333333	.666667			Bi	In		
BI3IN5	Bi_3In_5	Bi-In	Cr_5B_3	$I4/mcm$	2	.375	.625			Bi	In		
BINI	NiBi	Bi-Ni	NiAs	$P6_3/mmc$	2	.5	.5			Bi	Ni,Va		
BI3NI	$NiBi_3$	Bi-Ni	$LiCaSi_2$	$Pnma$	2	.75	.25			Bi	Ni		
BIPD	αBiPd(LT)	Bi-Pd	-	$P2_1$	2	.5	.5			Bi	Pd		
	βBiPd(HT)		PdBi	$Cmc2_1$									
BIPD3	$\alpha BiPd_3$	Bi-Pd	$Pd_{15}PbBi_4$	$Pmma$	2	.25	.75			Bi	Pd		
	$\beta BiPd_3$		-	-									
BI2PD	αBi_2Pd	Bi-Pd	$PdBi_2$	$C2/m$	2	.666	.334			Bi	Pd		
	βBi_2Pd		$MoSi_2$	$I4/mmm$									

Database name	Common name	System	Prototype	Space group	No of subl.	Stoichiometry				Constituents			
BI3PD5	γ	Bi-Pd	NiAs	$P6_3/mmc$	2	1	1			Bi,Pd	Va		
CUIN_DELTA	δ	Cu-In	Cu_7In_3	$P\bar{1}$	2	.7	.3			Cu	In,Sn		
CUIN_ETA	η'	Cu-In	NiAs	$P6_3/mmc$	3	.545	.122	.333		Cu,Ni	Cu,In,Sn	In,Sn	
	η	Cu-Sn											
CUIN_ETAP	η	Cu-In	Ni_2In	$P6_3/mmc$	2	.64	.36			Cu	In		
CUIN_GAMMA	γ	Ag-In	Cu_9Al_4	$P\bar{4}3m$	3	.654	.115	.231		Ag,Cu	Ag,Cu,In	In,Sn	
		Cu-In											
CUIN_THETA	$Cu_{11}In_9$	Cu-In	CuAl	$C2/m$	2	.55	.45			Cu	In		
CU2IN3SN	Cu_2In_3Sn	Cu-In-Sn	-	-	3	.333	.5	.167		Cu	In	Sn	
CU77INSN23	$Cu_{77}InSn_{23}$	Cu-In-Sn	-	-	2	.77	.23			Cu	In,Sn		
CU3NI27SN10	$Cu_3Ni_{27}Sn_{10}$	Cu-Ni-Sn	-	-	3	.075	.675	.25		Cu	Ni	Sn	
CUSB_DELTA	δ	Cu-Sb	Mg	$P6_3/mmc$	2	.8	.2			Cu	Sb		
CUSB_EPSILON	ε	Cu-Sb	βTiCu3	$Pmmn$	2	.75	.25			Cu	Sb		
CUSB_ETA	η	Cu-Sb	Cu_2Sb	$P4/nmm$	2	.67	.33			Cu	Sb		
CUSB_GAMMA	γ	Cu-Sb	Mg	$P6_3/mmc$	2	.85	.15			Cu	Sb		
CUSB_ZETA	ζ	Cu-Sb	$Cu_{10}Sb_3$	$P\bar{3}$	2	.77	.23			Cu	Sb		
CU3SN	ε	Cu-Sn	Cu_3Sn	$Cmcm$	2	.75	.25			Cu,Ni	In,Sn		
CU6SN5_P	η'	Cu-Sn	Cu_6Sn_5	$C2/c$	2	.545	.455			Cu	Sn		
CU10SN3	ζ	Cu-Sn	$Cu_{10}Sn_3$	$P6_3$	2	.769	.231			Cu	Sn		
CU41SN11	δ	Cu-Sn	$Cu_{41}Sn_{11}$	$F\bar{4}3m$	2	.788	.212			Cu	In,Sn		
CUZN_BRASS	γ	Cu-Zn	Cu_5Zn_8	$I\bar{4}3m$	4	2	2	3	6	Cu,Zn	Cu,Zn	Cu,Zn	Cu,Zn
DHCP	α_1	Au-In	$TiNi_3/\alpha La$	$P6_3/mmc$	1	1				Au,In,Sn			
	$\beta/Au_{10}Sn$	Au-Sn											

Database name	Common name	System	Prototype	Space group	No of subl.	Stoichiometry				Constituents			
DIAMOND_A4	(αSn)	Ag-Sn Au-Sn Bi-Sn Cu-Sn In-Sn Ni-Sn Pb-Sn Pd-Sn Sb-Sn Sn-Zn	C-diam	$Fd\bar{3}m$	1	1				Sn,Zn			
FCC_A1	(Ag, Au) (Ag) (Ag),(Cu) (Ag) (Ag),(Ni) (Ag),(Pb) (Ag, Pd) (Ag) (Au) (Au, Cu) (Au) (Au, Ni) (Au),(Pb) (Au,Pd)	Ag-Au Ag-Bi Ag-Cu Ag-In Ag-Ni Ag-Pb Ag-Pd Ag-Sb Ag-Sn Ag-Zn Au-Bi Au-Cu Au-In Au-Ni Au-Pb Au-Pd	Cu	$Fm\bar{3}m$	2	1	1			Ag,Au,Bi,Cu,In,Ni,Pb,Pd,Sb,Sn,Zn	Va		

Database name	Common name	System	Prototype	Space group	No of subl.	Stoichiometry				Constituents			
FCC_A1	(Au)	Au-Sb	Cu	$Fm\bar{3}m$	2	1	1			Ag,Au,Bi, Cu,In,Ni, Pb,Pd,Sb, Sn,Zn	Va		
		Au-Sn											
		Au-Zn											
	(Cu)	Bi-Cu											
	(Ni)	Bi-Ni											
	(Pb)	Bi-Pb											
	(Pd)	Bi-Pd											
	(Cu)	Cu-In											
	(Cu, Ni)	Cu-Ni											
	(Cu),(Pb)	Cu-Pb											
	(Cu, Pd)	Cu-Pd											
	(Cu)	Cu-Sb											
		Cu-Sn											
		Cu-Zn											
	(Ni)	In-Ni											
	(Pb)	In-Pb											
	(Pd)	In-Pd											
	(Ni),(Pb)	Ni-Pb											
	(Ni, Pd)	Ni-Pd											
	(Ni)	Ni-Sn											
		Ni-Zn											
	(Pb),(Pd)	Pb-Pd											
	(Pb)	Pb-Sb											
		Pb-Sn											
		Pb-Zn											
	(Pd)	Pd-Sn											
		Pd-Zn											

Database name	Common name	System	Prototype	Space group	No of subl.	Stoichiometry				Constituents			
HCP_A3	ζ	Ag-In	Mg	$P6_3/mmc$	2	1	.5			Ag,Au,Bi, Cu,In,Ni, Pb,Pd,Sb, Sn,Zn	Va		
		Ag-Sb											
		Ag-Sn											
	ε	Ag-Zn											
	ζ	Au-In											
		Au-Sn											
	ε	Au-Zn											
	ε	Bi-Pb											
	ε	Cu-Zn											
HCP_ZN	(Zn)	Ag-Zn	Mg	$P6_3/mmc$	2	1	.5			Ag,Au,Bi, Cu,In,Pb, Pd,Sn,Zn	Va		
		Au-Zn											
		Bi-Zn											
		Cu-Zn											
		In-Zn											
		Ni-Zn											
		Pb-Zn											
		Pd-Zn											
		Sb-Zn											
		Sn-Zn											
INNI_DELTA	δ	In-Ni	CsCl	$Pm\bar{3}m$	2	1	1			Ni,Va	In,Ni		
INNI_CHI	ζ	In-Ni	...	...	3	1	1	1		Ni,Va	Ni	In,Ni	
INNI_CHI_PRIME	ζ'($Ni_{13}In_9$)	In-Ni	$Pt_{13}In_9$	$C2/m$	3	1	1	1		Ni,Va	Ni	In	
INPD2_ALPHA	α$InPd_2$	In-Pd	Co_2Si	$Pnma$	2	.333	.667			In	Pd		
INPD3_ALPHA	α$InPd_3$	In-Pd	In	$I4/mmm$	2	.25	.75			In	Pd		

Database name	Common name	System	Prototype	Space group	No of subl.	Stoichiometry				Constituents			
INPD2_BETA	$\beta InPd_2$	In-Pd	...	...	2	.34	.66			In	Pd		
INPD3_BETA	$\beta InPd_3$	In-Pd	AuCu	$P4/mmm$	2	.26	.74			In	Pd		
IN3PD2	In_3Pd_2	In-Pd	Ni_2Al_3	$P\bar{3}m1$	2	.6	.4			In	Ag,Pd		
IN3PD5	In_3Pd_5	In-Pd	Rh_5Ge_3	$Pbam$	2	.375	.625			In	Pd		
IN7PD3	In_3Pd	In-Pd	Cu_5Zn_8	$I\bar{4}3m$	2	.71	.29			In	Pd		
INSN_GAMMA	γ	In-Sn	InBi	$P6/mmm$	1	1				In,Sn			
NIIN	NiIn	In-Ni	CoSn	$P6/mmm$	2	1	1			Ni	In		
NI2IN	Ni_2In	In-Ni	Ni_2In	$P6_3/mmc$	2	2	1			Ni	In		
NI2IN3	Ni_2In_3	In-Ni	Ni_2Al_3	$P\bar{3}m1$	2	2	3			Ni	In		
NI3IN	Ni_3In	In-Ni	Ni_3Sn	$P6_3/mmc$	2	3	1			Ni	In		
NI3IN7	$Ni_{28}In_{72}$	In-Ni	Cu_5Zn_8	$I\bar{4}3m$	2	3	7			Ni	In		
NI3SN_LT	Ni_3Sn_LT	Ni-Sn	Ni_3Sn	$P6_3/mmc$	2	.75	.25			Cu,Ni	In,Sn		
NI3SN2	Ni_3Sn_2_LT	Ni-Sn	Ni_3Sn_2	$Pnma$	3	.5	.25	.25		Ni,Sn	Au,Cu,Ni	Au,Cu,Ni	
	Ni_3Sn_2_HT		Ni_2In	$P6_3/mmc$									
NI3SN4	Ni_3Sn_4	Ni-Sn	Ni_3Sn_4	$C2/m$	3	.25	.25	.5		Cu,Ni	Ni,Sn	Sn	
NIZN_BETA1	β_1	Ni-Zn	AuCu	$I4/mmm$	1	1				Ni,Zn			
NIZN_DELTA	δ	Ni-Zn	$CoZn_{13}$	$C2/m$	2	.111	.889			Ni	Zn		
NIZN_GAMMA	γ	Ni-Zn	Cu_5Zn_8	$I\bar{4}3m$	1	1				Ni,Zn			
PDPB	αPbPd	Pb-Pd	-	$P\bar{1}$	2	1	1			Pd	Pb		
	βPbPd		-	-									
PDPB2	Pb_2Pd	Pb-Pd	$CuAl_2$	$I4/mcm$	2	1	2			Pd	Pb		
PD3PB	$Pb\,Pd_3$	Pb-Pd	$AuCu_3$	$Pm\bar{3}m$	2	.75	.25			Pd	Pb,Pd		

Database name	Common name	System	Prototype	Space group	No of subl.	Stoichiometry				Constituents			
PD5PB3_ALPHA	αPb_3Pd_5	Pb-Pd	Ni_5Ge_3	$C2$	2	5	3			Pd	Pb		
PD5PB3_BETA	βPb_3Pd_5	Pb-Pd	NiAs	$P6_3/mmc$	3	1	1	1		Pd	Pb	Pd,Va	
PD5PB3_GAMMA	γPb_3Pd_5	Pb-Pd	-	-	3	1	1	1		Pd	Pb	Pd,Va	
PD13PB9	αPb_9Pd_{13}	Pb-Pd	$\alpha Pd_{13}Pb_9$	$C2/c$	2	.59	.41			Pd	Pb		
	β Pb_9Pd_{13}		NiAs	$P6_3/mmc$									
	γ Pb_9Pd_{13}		-	-									
PDSN	PdSn	Pd-Sn	FeB	$Pnma$	2	.5	.5			Pd,Va	Pd,Sn		
PDSN2	$PdSn_2$	Pd-Sn	$PdSn_2$	$Aba2$	2	.333	.667			Pd,Sn	Sn		
PDSN3	$PdSn_3$	Pd-Sn	$PdSn_3$	$Cmca$	2	.25	.75			Pb,Pd	Pd,Sn		
PDSN4	$PdSn_4$	Pd-Sn	$PtSn_4$	$Aba2$	2	.2	.8			Pd	Pb,Pd,Sn		
PD2SN	Pd_2Sn	Pd-Sn	Co_2Si	$Pnma$	2	.667	.333			Pd	Sn		
PD2SN_GAMMA	γ	Pd-Sn	NiAs	$P6_3/mmc$	3	1	1	1		Pd	Sn	Pd,Va	
PD3SN	Pd_3Sn	Pd-Sn	$AuCu_3$	$Pm\bar{3}m$	2	.75	.25			Pd,Sn	Pd,Sn		
PD3SN2_ALPHA	αPd_3Sn_2	Pd-Sn	Ni_2In	$P6_3/mmc$	2	.6	.4			Pd	Sn		
PD3SN2_BETA	βPd_3Sn_2	Pd-Sn	...	...	2	.6	.4			Pd	Sn		
PD3SN2_DELTA	δ	Pd-Sn	...	...	2	.59	.41			Pd	Sn		
PD20SN13	$Pd_{20}Sn_{13}$	Pd-Sn	Ni_4GaGe_2	$P3_121$	2	.6	.4			Pd,Sn	Pd,Sn		
PDZN_BETA	β	Pd-Zn	CsCl	$Pm\bar{3}m$	2	1	1			Pd,Zn	Pd,Zn		
PDZN_1BETA	β_1	Pd-Zn	AuCu	$P4/mmm$	2	1	1			Pd,Zn	Pd,Zn		
PDZN_GAMMA	γ	Pd-Zn	Cu_5Zn_8	$I\bar{4}3m$	2	2	9			Pd,Zn	Pd,Zn		
PDZN2	$PdZn_2$	Pd-Zn	$PdZn_2$	$Cmmm$	2	1	2			Pd	Zn		
PD2ZN	δ	Pd-Zn	Co_2Si	$Pnma$	2	2	1			Pd	Zn		

Database name	Common name	System	Prototype	Space group	No of subl.	Stoichiometry				Constituents			
PDZN_ETA	η	Pd-Zn	...	...	2	.09	.91			Pd	Zn		
RHOMBO_A7	(Bi)	Ag-Bi	αAs	$R\bar{3}m$	1	1				Bi,In,Pb, Pd,Sb,Sn, Zn			
	(Sb)	Ag-Sb											
	(Bi)	Au-Bi											
	(Sb)	Au-Sb											
	(Bi)	Bi-Cu											
		Bi-In											
		Bi-Ni											
		Bi-Pb											
		Bi-Pd											
	(Bi, Sb)	Bi-Sb											
	(Bi)	Bi-Sn											
		Bi-Zn											
	(Sb)	Cu-Sb											
		In-Sb											
		Pb-Sb											
		Sb-Sn											
		Sb-Zn											
SB2SN3	Sn_3Sb_2	Sb-Sn	...	...	2	2	3			Sb	Sn		
SBSN	β	Sb-Sn	NaCl	$Fm\bar{3}m$	2	1	1			Bi,In,Pb, Sb,Sn	Bi,In,Sb, Sn		
SBZN_BETA	β	Sb-Zn	CdSb	*Pbca*	2	.5	.5			Sb	Zn		
SBZN_DELTA	δ	Sb-Zn	Zn_4Sb_3	$R\bar{3}c$	2	.425	.575			Sb	Zn		
SBZN_EPSILON	ε	Sb-Zn	Zn_4Sb_3	$R\bar{3}c$	2	.425	.575			Sb	Zn		
SBZN_ETA	η	Sb-Zn	...	*Pmmn*	2	.38	.62			Sb	Zn		

Database name	Common name	System	Prototype	Space group	No of subl.	Stoichiometry				Constituents			
SBZN_GAMMA	γ	Sb-Zn	...	...	2	.45	.55			Sb	Zn		
SBZN_ZETA	ζ	Sb-Zn	...	...	2	.4	.6			Sb	Zn		
TET_ALPHA1	ε	Bi-In	In	$I4/mmm$	1	1				Bi,In,Pb, Sn			
	α	In-Pb											
		In-Sn											
TETRAG_A6	(In)	Ag-In	In	$I4/mmm$	1	1				Bi,In,Pb, Sn, Zn			
		Au-In											
		Bi-In											
		Cu-In											
		In-Ni											
		In-Pb											
		In-Pd											
		In-Sb											
		In-Sn											
		In-Zn											
ZINCBLENDE_B3	α	In-Sb	ZnS	$F\bar{4}3m$	2	.5	.5			In	Sb		

[a] Real crystallographic structure was modelled as BCC_A2 in the Cu-Sb, Cu-Sn, Ni-Sn and Ni-Zn to retain the consistency in ternary systems (see the text in the relevant binary systems)